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Vaughan's Seed Store

CHICAGO &
NEW YORK

1919

AUTUMN

Spring Flowering Bulbs

For Autumn Planting

LATE-FLOWERING TULIPS AMONG THE PEONIES

LAST year we were greatly hampered in receiving bulbs from Europe through the lack of direct transportation from Holland; but by routing through England at 500 per cent extra cost, we managed to fill most of our orders in time for successful planting.

We look forward to better conditions this year. We are promised direct shipments from the countries of origin and freight rates are almost normal again. Many classes of bulbs are scarce, but we have contracted for full supplies with dependable growers and expect to fill orders in full. We, however, ask our customers to give us the privilege of substituting what we consider the next best, should we be sold out, or otherwise unable to fill the varieties ordered.

We draw particular attention to the list of bulbs on the opposite page which cannot now be imported, owing to Quarantine No. 37 of the United States Federal Horticultural Board in force since June last.

When ordering, please follow these Instructions and Suggestions

When to Order Send in your order as soon as possible after receiving catalog. Bulbs for immediate planting will be sent at once, others at proper time, with due notification.

How to Order Use the order sheets accompanying this catalog. One order sheet is for **seeds, bulbs** and **sundries** (i. e. Insecticides Manures, Poultry Supplies, etc.); the other for **plants, shrubs** and **trees** only.

Don't put **plants and trees** on the same order sheet with **bulbs and seeds**.

Important Write your name, postoffice, state and express office plainly with black ink, on every order, and every time you write to us. **Give plain express, mail or freight directions;** where none are given, we route the same at buyers' risk.

Quantity, Size, Price Always give the **quantity** required of **bulbs, plants or trees,** mentioning **size** where different sizes are offered, and carry out the **price** of each item.

Keep a Copy of Your Order Check goods received with this copy. Sometimes items are sold out or will follow later, in which case a slip is enclosed with goods or notice sent.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Parcel Post **Fourth Class Mail Matter,** which includes seeds, plants, bulbs, roots, books, tools, insecticides (in dry and paste form) odorless fertilizers and requisites, may be forwarded by **domestic parcel post** within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits.

Time of Sending Not all fall bulbs are ready at the same time, but nearly all the Dutch and French importations are in the store by September 15. The following table gives approximate dates of arrival: **September 1—Lilium Candidum,** Roman Hyacinths, **Lilium Harrisii,** Freesias, Peonies. **September 15**—Hyacinths, **Daffodils** and **Narcissi, Tulips** and other Dutch bulbs, Callas. **October 20**—Full supply of Lilies, Chinese Narcissus, Dahlias and Gladiolus. **November 10.** Lily of the Valley, new crop Tuberoses. **Perennial Plants, September 15** until frost; **Trees** and **Shrubs** and all nursery stock, **October 1st** until frost.

Our Terms with customers not having an account are strictly cash with order. We prefer not to send C. O. D., but if wanted by that method customers should enclose one-fourth of the amount in remittance with order. **No trees, plants or other perishable stock, are sent C. O. D.**

How to Send Money Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded. If local checks are used, 25 cents must be added to cover the cost of collecting. Make money order payable to "Vaughan's Seed Store."

Our Responsibility It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned.

We wish it understood that our stocks are sold under the following general non-warranty:

We Do Not Warrant in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once and money will be refunded. Subject to the above conditions, we make this sale at the moderate prices at which we sell our goods. **VAUGHAN'S SEED STORE, Incorporated.**

PARCEL POST **Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.**

The weights of all bulbs and roots offered are given and customers are requested to add sufficient to their remittance to cover postage on total estimated weight of order at rates given in the following table:

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions.	First pound or fraction	Each additional pound or fraction
First Zone Chicago or New York City or 50 miles thereof	5c.	1c.
Second Zone within 50 to 150 miles of either	5c.	1c.
Third Zone within 150 to 300 miles	6c.	2c.
Fourth Zone within 300 to 600 miles	7c.	4c.
Fifth Zone within 600 to 1000 miles	8c.	6c.
Sixth Zone within 1000 to 1400 miles	9c.	8c.
Seventh Zone within 1400 to 1800 miles	11c.	10c.
Eighth Zone all over 1800 miles and Canada	12c.	12c.

NOTE.—Limit of weight for delivery within the first and second zones, 50 pounds; to Canada 4 lbs., 6 ozs. (postage 60c.); to all other zones 20 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage.

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VAUGHAN'S SEED STORE

CHICAGO
NEW YORK

BULBS and Roots Prohibited to Import by Ruling of *United States Federal Horticultural Board*

The United States Federal Horticultural Board, Washington, D. C., by an Embargo which went into force on June 1st 1919, prohibits the importation of the following Bulbs and Roots into the United States: (No intelligent reason has been given why these kinds are shut out and others of the same general class admitted,)

Allium Neapolitanum
Anemone
Babiana
Chionodoxa
Dielytra
Winter Aconite (Eranthis)
Dog's Tooth Violet (Erythronium)
Crown Imperial (Fritillaria)
Anomatheca Cruenta (Scarlet Freesias)
Gladioli (All varieties)
Irises, including Spanish, English and Species
Ixias
Leucojum
Muscari (Grape Hyacinth)
Ornithogalum (Star of Bethlehem)
Oxalis
Ranunculus
Snowdrops
Scillas (All varieties)
Sparaxis
Spiraeas, including Astilbes
Triteleia

Besides many other stocks not carried or offered by us.

Of the above list, we have received from our growers, previous to this embargo, sufficient quantities to offer to our customers this year, such Oxalis, Anemones and Ranunculus as are offered in the following pages.

We mention that the action of the United States Federal Horticultural Board, in putting into force this Embargo assuming it to be a necessity to prevent incoming diseases (though they shut out Foreign Nursery Districts from which Plants have come to us for 75 years and without making charges of damage from such districts) has met with strong disapproval from all parts of the United States including seedsmen, nurserymen, florists, superintendents of parks, botanical gardens, and other public grounds, professors of botany and other sciences in our universities, influential ladies and gentlemen, who make gardening a hobby, landscape and private gardeners.

All these, have through various societies connected with horticulture, registered their protests against this embargo, and we anticipate Congress will never confirm this drastic action by which our beautiful American gardens are to be robbed of these (in our opinion, harmless, disease-free) plants by unpractical non-commercial investigators, whose theories have yet to be proved by facts.

We ask those, whose sentiments are similar to ours, to write to their Congressman, express according to their own diction their feelings towards embargo 37 and request him to use every effort in his power to have this law repealed, or at least revised to admit all stocks from known safe districts.

Write us for fuller details if you desire to help.

Bulbs Admitted are Hyacinths, Tulips. Narcissus, Lilies, Crocus.

Order these Early

BULBS FOR NATURALIZING

For planting in woodlands, borders and along streams, these fall-planted bulbs are coming into favor more rapidly every year. These Daffodils when planted in clumps in a sheltered, sunny spot, will produce a mass of color in the early spring. When once planted, they remain for years, the clumps increasing mostly in size and vigor.

For Woodlands—Meadows

Lilium Candidum (1st size). Trillium Grandiflorum

	Per 100	Per 1000
Crocus, Named Varieties	$3.00	$25.00
Crocus, Mixed Colors	2.00	15.00
Narcissus, Single Poeticus	3.00	28.00
Narcissus, Barri Conspicuus	4.00	38.00
Narcissus, Triandus Albus	8.00	75.00
Narcissus, Nanus	8.00	75.00
Narcissus, Leedsii, Mrs. Langtry	4.00	35.00
Narcissus, Large Trumpet Golden Spur	4.50	42.00
Narcissus, Large Trumpet Princeps Maximus	4.50	42.00
Narcissus, Large Trumpet Empress (Bicolor)	5.00	48.00
Narcissus, Double Von Sion, Fancy	4.50	42.00
Tulips, May Flowering, Vaughan's Special Mixed	3.00	25.00
Tulips, Darwin, Vaughan's Special Mixed	4.00	35.00

Planting in Grass

In planting bulbs in grass a circular hole about 5 or 6 inches deep should be made. If the soil is poor, some prepared compost containing a fair proportion of bone meal should be placed under and over the bulb. Make hole one inch larger than diameter of bulb.

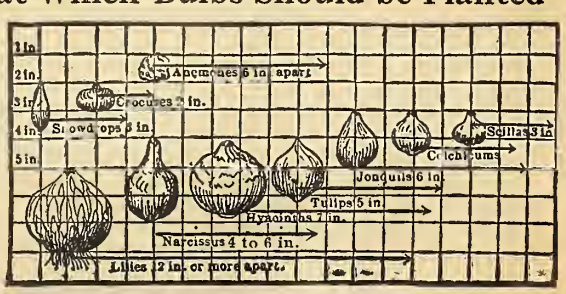
Tulips for Perennial Borders

We strongly recommend the planting of **Darwin and Cottage Tulips** in clumps and masses among hardy plants, All are perfectly hardy, and there is nothing to equal them for color and grace, standing boldly over the green foliage of the growing perennial plants in May. In our collections of these, will be found every imaginable shade, and for cutting they are invaluable, particularly in Darwin Varieties. We make a very special offer on page 8.

Select varieties that will harmonize in color, and spade over the plots in the border before planting, adding a couple of handfuls of bonemeal to each square yard, then plant the bulbs 6 inches apart and from 4 to 5 inches deep. Plant the various kinds separately, if you order them under name, to get best results.

Depth at Which Bulbs Should be Planted

Many of our customers are frequently puzzled to know proper depth and distance apart at which bulbs should be planted. The accompanying diagram, conveys the information very clearly. The chart will bear careful study.



VAUGHAN'S NAMED HYACINTHS (Single)

VAUGHAN'S EXHIBITION HYACINTHS

First Size Bulbs, for Glasses, Bowls, Pots, Etc.

INDOOR CULTURE

HYACINTHS IN POTS.—It is important in the pot culture of Hyacinths to have rich, light soil. If the bulbs are to be potted singly, 5-inch pots are the proper size. Cover the hole in the pot with a piece of broken pot, and over this place a layer of moss, which will keep the soil from clogging the drainage thus provided. Break off any offsets which appear at the base of the bulbs, and, in potting, place each bulb so that its top shall be half an inch below the surface of the soil, and an inch below the rim of the pot. Use a 5-inch pot for single bulb or four in a 6-inch pot. Give a good watering and set away in a cool place, covering them with about 3 to 5 inches of coal ashes or sand. Let them remain here for eight or ten weeks, bringing them to the light as required.

HYACINTHS IN GLASSES.—The single varieties are, with a few exceptions, best adapted to this mode of culture. They produce finer flower spikes than the double. Fill the glass with clear soft water, so as to nearly touch the base of the bulb, putting a small piece of charcoal in each glass to keep the water pure and afford some nourishment. The filled glasses should be placed in a dry, cool, dark place, and kept there until the roots almost touch the bottom of the glass, when they may be exposed gradually to the light. Change water often.

NOTE.—Numbers preceding the names indicate the time of flowering: the 1's flowering together and are early, while the 4's are latest.

PARCEL POST—Price, each, includes postage. Mailing weight, dozen 3 lbs. Add postage as per rates on inside front cover.

Exhibition Hyacinths

MONSTER BULBS

We import these bulbs specially for those who wish to grow these **extra fancy** varieties either for Exhibition or other special purposes.

We have arranged this year with one of our Dutch growers to select the very finest and largest bulbs he has, not of any variety, but of special kinds of superior quality, that will give huge spikes in some of the choicest colors obtainable. They are all single flowered kinds in the following colors.

Red, Pink, White, Blush white, Light and Dark Blue, and Yellow. Each variety will be carefully packed and named.

NOTE.—Plant in pots, ornamental bowls, or pans; or grow in water in Hyacinth glasses. Not suitable for outdoor cultivation.

Price, each 30c; per doz. $3.00; per 100 $23.00.

First Size Hyacinths

Single Red and Rose

		Each	Doz.	100
4	**Cardinal Wiseman,** dark pink	$0.20	$2.15	$15.00
1	**Garibaldi,** brilliant red, early	.22	2.25	16.00
1	**General Pelissier,** deep scarlet	.20	2.15	15.00
2	**General de Wet,** light pink	.20	2 15	15.00
3	**Gertrude,** rose pink, medium early: extra fine	.20	2.15	15.00
2	**Gigantea,** light pink, compact spike: medium early	.20	2.15	15 00
3	**La Victoria,** brilliant dark pink	.22	2.25	16.00
1	**Lady Derby,** delicate pink, early forcer	.22	2.25	16.00
2	**Moreno,** bright pink, broad spike, early	.20	2.15	15.00
3	**Robert Steiger,** deep crimson, fine bedder	.20	2.15	15.00
3	**Roi des Belges,** bright scarlet, early	.20	2.15	15.00
4	**Rosea Maxima,** rose, large truss, late	.20	2 15	15.00
3	**Rose a Merveille,** rose-pink	.20	2.15	15.00

Single Pure White and Blush

2	**Albertine,** pure white, early	.20	2.15	15.00
2	**Angenis Christina,** pure white, early	.20	2.15	15.00
2	**Blancheur a Merveille,** pure white	.20	2.15	15.00
2	**General Vetter,** blush white	.20	2.15	15 00
2	**Grandeur a Merveille,** blush, late	.20	2 15	15.00
3	**La Grandesse,** pure white, large bells	.20	2.25	16.00
2	**L'Innocence,** pure white	.22	2 15	15.00
3	**Madam Van der Hoop,** large spike, late	.20	3.15	15.00
1	**Mont Blanc,** pure white, large spike, early	.22	2.25	16.00
2	**Pavilion Blanc,** pure white	.20	2.15	15 00
3	**Queen of England,** pure white, fine spike	.20	2.15	15.00

Single Blue and Purple

2	**Captain Boyton** sky blue, large spike	.20	2.15	15.00
2	**Competitor,** light blue	.20	2.15	15.00
3	**Enchantress,** porcelain blue	.20	2.15	15.00
2	**Grand Maitre,** dark porcelain, medium early	.20	2.15	15.00
2	**Grand Lilac,** early, very handsome	.22	2.25	16.00
2	**Johan,** light blue, large bell	.20	2.15	15.00
4	**King of the Blues,** dark, medium only	.22	2.25	16.00
2	**Marie,** dark, large spike, medium early	.20	2.15	15.00
2	**Potgieter,** light blue	.20	2.15	15 00
4	**Queen of the Blues,** light blue, fine spike	.20	2.15	15.00
1	**Regulus,** light blue, dark striped, early	.20	2.15	15 00
2	**Schotel,** light blue, large spike	.20	2.15	15.00

Single Yellow and Orange

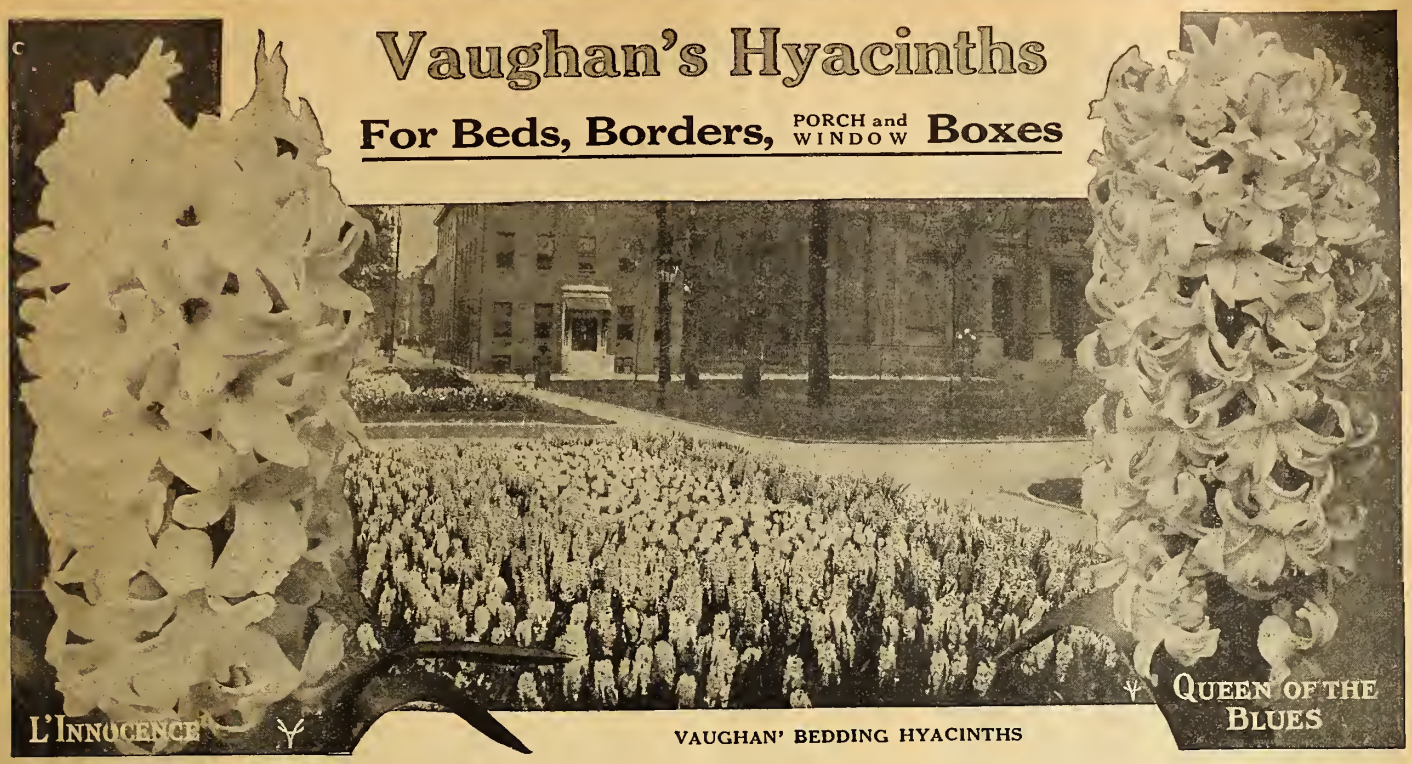
2	**Buff Beauty,** orange yellow	.20	2.15	15.00
3	**Ida,** pure yellow, early	.20	2.15	15.00
4	**King of the Yellows,** medium early	.20	2.15	15.00
4	**McMahon,** pure yellow	.20	2.15	15.00
3	**Yellow Hammer**	.22	2.25	16.00

VAUGHAN'S FIRST SIZE HYACINTHS

All orders by parcel post must be accompanied by extra cash to cover postage.

Vaughan's Hyacinths

For Beds, Borders, PORCH and WINDOW Boxes



VAUGHAN' BEDDING HYACINTHS

Named Bedding Hyacinths

GARDEN CULTURE.—Bulbs may be planted from September to December, in any good, well drained garden soil, which has previously been well enriched and dug from 12 to 18 inches. The beds should be raised several inches above the surrounding ground, to prevent lodgments of water which causes bulbs to rot. Bulbs should be set 6 inches apart and 6 inches deep. Before the ground freezes, cover the bed with material, such as leaves, straw, pine branches, etc., to a depth of 4 inches. Do not uncover too early in Spring.

PARCEL POST—Add postage for these at rate of 2 lbs. weight per dozen bulbs. Price each includes postage.

		Each	Per Doz.	Per 100
Single Pink				
3.	**Gertrude,** Rose pink	$0.12	$1.25	$9.00
2.	**Gigantea,** Light pink	.12	1.25	9.00
2.	**Moreno,** Bright pink	.12	1.25	9.00
Single Red				
3.	**Robert Steiger,** Crimson	.12	1.25	9.00
3.	**Roi des Belges,** Scarlet	.12	1.25	9.00
Single White and Blush				
2.	**Albertine,** Pure white	.12	1.25	9.00
3.	**La Grandesse,** Pure white	.13	1.35	10.00
3.	**L'Innocence,** Pure white	.12	1.25	9.00
3.	**Madame Van der Hoop,** Pure white	.12	1.25	9.00
2.	**Grandeur a Merveille,** Blush white	.12	1.25	9.00
Single Blue				
2.	**Grand Maitre,** Dark porcelain	.12	1.25	9.00
2.	**Johan,** Light blue	.12	1.25	9.00
4.	**King of the Blues,** Dark blue	.13	1.35	10.00
4.	**Queen of the Blues,** Light blue	.12	1.25	9.00
1.	**Regulus,** Light blue, striped	.11	1.25	9.00
Single Yellow				
4.	**King of the Yellows**	.13	1.35	10.00
3.	**Yellow Hammer**	.13	1.35	10.00

BELGIAN

Hyacinth Glasses

We offer two styles of these glasses for growing Hyacinths in water. **Belgian,** and **Tye Shape.** (See notes on page 2 regarding culture.)

PRICES

Belgian, Tall....each, 35c; Doz., $3.50
Tye Shape,.....each, 35c; Doz., $3.75

TYE SHAPE

"Fancy" un-named Hyacinths

THIS is a grade of Mixed Hyacinths which we annually import, paying the highest prices known for mixed varieties. The bulbs measure from 16 to 17 centimeters in size, are plump and sound, selected from the best named varieties.

Blue, all shades
Light Blue
Red and Rose
Rose
Pure White
White, all shades
Yellow
Mixed, All Colors

Mailing weight per dozen, 2 lbs.; price,

Per Doz.	Per 100	Per 1000
$1.10	$7.50	$67.00

We offer these fancy mixed bulbs in singles only, these being much more desirable.

"Medium" un-named Hyacinths

Separate Colors **Single or Double Varieties**

GOOD size flowering bulbs 15 centimeters (5¾ in.) and upward, circumference, much larger than the Mixed Hyacinth bulbs usually sent out.

Blue, all shades
Light Blue
Red and Rose
Rose
Pure White
White, all shades
Yellow
Mixed, All Colors

PARCEL POST—Add postage for these at rate of 2 lbs. per dozen bulbs.

Per Doz.	Per 100	Per 1000
$0.85	$6.00	$57.00

Please mention whether **Single** or **Double** varieties are desired.

Dutch Roman or Miniature Hyacinths

SPLENDID for growing in pots, pans or boxes. Bulbs being selected from named varieties are fully matured. Although naturally small in size, they give very large spikes of bloom, considering the size of bulb, and are invaluable for forcing, being specially cultivated for this purpose. Five or six bulbs, planted in eight-inch pan, make a splendid show.

Single Red and Rose

Moreno, Pink
Gertrude, Clear rose
Gigantea, Blush pink

Single White

Albertine, Pure white
La Grandesse, Snow white
L'Innocence, Purest white
Mme. Van der Hoop, Purest white, large

Single Blue

Grand Maitre, Deep porcelain
Queen of the Blues, Light blue

These are not recommended for outdoor planting.

Doz.	100	1000
$0.60	$4.50	$42.00

Mailing weight, per dozen, 2 lbs.

Parcel Post rates are given on inside of front cover, and on order sheet.

SPIKE OF DOUBLE HYACINTH

Vaughan's Double Hyacinths

First Size Bulbs for House and Garden Culture

While grown by many, Double Hyacinths do not produce as large a spike as the single sorts, especially when grown in water, yet they are exceedingly beautiful and deserve a place in every garden and home. The varieties we offer below are known to us by actual tests at our trial grounds to be the most satisfactory kinds.

PARCEL POST—Add postage for these bulbs at rate of 3 lbs. per dozen bulbs.

Double Red and Rose

		Each	Doz.	100
Bouquet Royal.	Pink; fine spike, early	$0.20	$2.15	$15.00
Bouquet Tendre.	Carmine; medium early	.20	2.15	15.00
Chestnut.	Bright rose	.22	2.25	16.00
Princess Louise.	Deep Red	.22	2.25	16.00
President Roosevelt.	Very lively pink; large spike	.20	2.15	15.00

Double Pure White and Blush

Isabella.	White, suffused with rosy blush	.20	2.15	15.00
La Grandesse.	Splendid snow-white, the best double white	.22	2.25	16.00
La Tour d'Auvergne.	Fine early, pure white	.20	2.15	15.00
Prince Metternich.	Blush white	.20	2.15	15.00

Double Blue, Lavender and Purple

Blocksberg.	Bright porcelain-blue, shaded dark blue	.20	2.15	15.00
Delicate.	Porcelain blue	.20	2.15	15.00
Garrick.	Clear bright blue: large spike	.22	2.25	16.00
General Kohler.	Best double blue; very fine for pots	.22	2.25	16.00
Prince Saxe-Weimar.	Semi-double; late; dark blue	.20	2.15	15.00

Double Yellow

Goethe.	Orange.yellow	.22	2.25	16.00
Sunflower.	Splendid deep buff-yellow	.25	2.25	16.00

Knowlesville, N. Y.

"I write to thank you for your prompt delivery of my earlier order and to say the bulbs are very satisfactory. It is altogether a pleasure to deal with a company who does business in such a systematic and business-like way.

Many thanks."

Mrs. J. S. Pratt.

French Roman Hyacinths

These beautiful Hyacinths are indispensable to the florist in his fall and winter cut-flower work, while to the amateur they are among the most easily cultivated and most satisfactory of flowering bulbs. The white variety, if planted early in September and slowly forced. will bloom in November

	Doz.	100
White, First Size	$1.25	$ 8.00
White, Select Size	1.50	10.00
White, Mammoth Size	1.75	12.50
Blue	1.25	10.00
Light Pink	1.25	10.00
Dark Pink	1.25	10.00
Yellow	1.25	10.00

Vaughan's Rainbow Collections

Single Named Hyacinths for Window Garden.

We have selected from the list of varieties on page 3 a few of the best of each color suitable for culture in pots and glasses, and offer them in collections at a reduction from the regular price. The following are the varieties;

Lady Derby, Pink.
Roi des Belges, Red.
L'Innocence, White.
Grand Maitre, Light Blue.
King of the Blues, Dark Blue.
King of the Yellows, Yellow.

PREPAID PRICES—

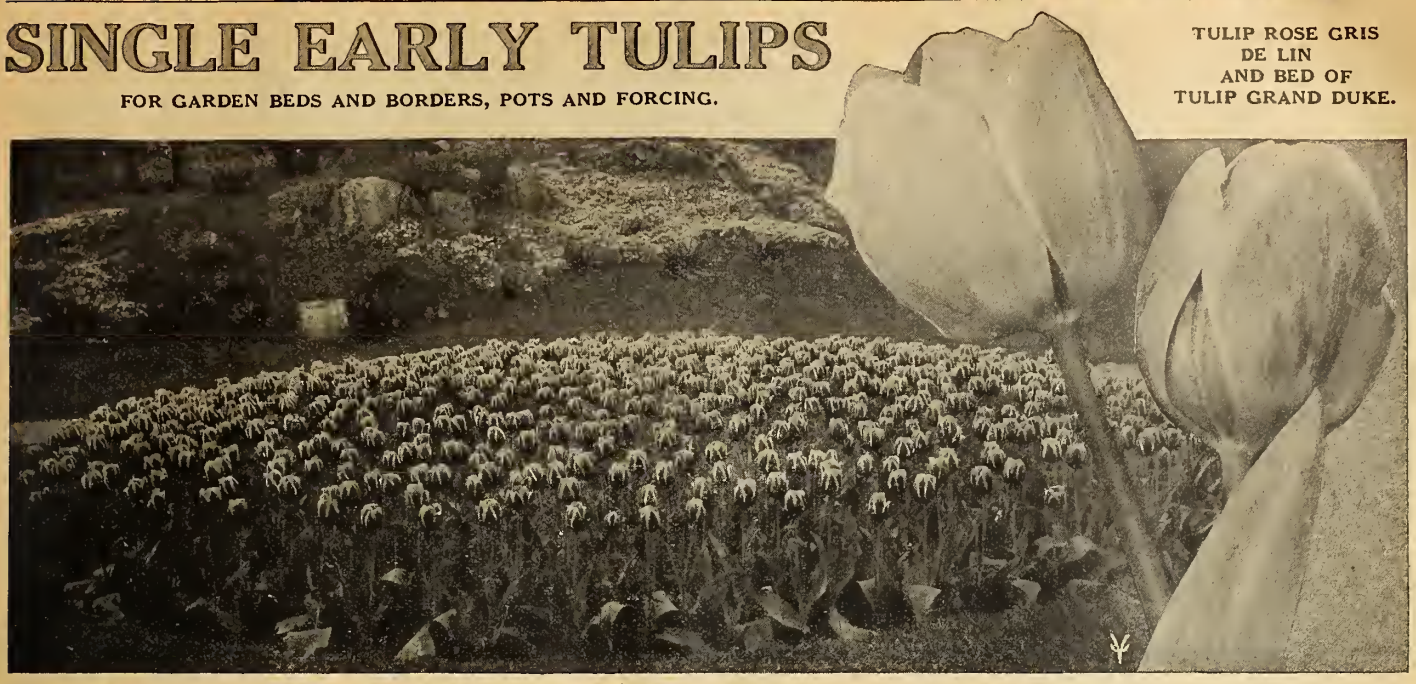
A— 6 Bulbs, one of each variety	$1.15
B—12 Bulbs, two of each variety	2.20
C—24 Bulbs, four of each variety	4.50
D—36 Bulbs, six of each variety	6.50

Fertilizers for Bulbs Successful growers of such Bulbs as Tulips, Daffodils, Hyacinths, etc., have found by an expensive and disappointing experience that the ammonia of fresh stable manure is absolutely fatal to bulbs. If stable manure is used it should be at least 6 or 8 months old, and dug in well underneath the bulbs. **The safest fertilizer** for all bulbs is **Bone Meal**, applied at the rate of one pound to 60 square feet.

ROMAN HYACINTHS—Grown in Fibre

SINGLE EARLY TULIPS

FOR GARDEN BEDS AND BORDERS, POTS AND FORCING.



TULIP ROSE GRIS DE LIN AND BED OF TULIP GRAND DUKE.

NO FLOWERS give such a lasting and brilliant effect during the spring months for so little cost and trouble, as Tulips.

Starting with the Early Single varieties listed hereunder and followed by the glorious Darwin and Cottage Tulips mentioned a few pages further on, an extended flowering season is carried on during April and May; and such colors! from the extremes of deep crimson, brilliant scarlet, yellow and white, every intermediate shade and blending is included in these grand flowers, giving plenty of material for contrasts and favorite color schemes.

Planting: Do not use fresh stable manure at any time, either in the soil or as a mulch, or you will have no flowers. Treat otherwise the same as Hyacinths described previously. Plant four to six inches apart and four inches deep. Dig Bone Meal into the beds or borders before planting, about two handfuls to the square yard. When the beds or borders are made, have them raised 4 to 6 inches above the adjacent walk or lawn, this insures proper drainage and prevents lodgements of water around the bulbs, and subsequent rotting. Thoroughly rotted manure (if procurable) may be placed under the bulbs either in beds or pots, but it should not come in contact with them. For pot culture use the same compost as for Hyacinths. Put five or six bulbs in a six inch pot or pan. This is generally the quantity to use.

Explanatory: The number preceding the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late. The Duc Van Thol Tulips should be used for pots only.

Parcel Post: 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at zone rates on inside of front cover.

Single Scarlet and Crimson

		Doz.	100	1000
7b	**Artus,** a splendid deep scarlet	$0.50	$3.50	$32.00
8b	**Belle Alliance,** brilliant scarlet	.70	5.00	45.00
8a	**Brilliant Star,** bright glowing scarlet; very early	1.50	10.00	90.00
8a	**Couleur Cardinal,** crimson	1.15	8.00	75.00
7b	**Cramoisi Brilliant,** bright scarlet	.65	4.50	42.00
7b	**Crimson King,** good crimson	.55	4.00	35.00
6a	**Duc Van Thol, Scarlet** For pots only	.70	5.00	45.00
7a	**Dusart,** dark red	.55	4.00	35.00
14b	**Grace Darling,** orange-scarlet	.75	5.50	50.00
12a	**Maes,** rich scarlet, fine bedder	.70	5.00	45.00
8a	**Pottebakker Scarlet,** bright scarlet	.60	4.50	42.00
12a	**Sir Thomas Lipton,** rich crimson-scarlet	.80	6.00	55.00
7b	**Vermillion Brilliant,** dazzling vermillion-scarlet, fine for pots	.85	6.50	60.00

Single Pink and Rose

	American Lac (See Cottage Tulips)			
9b	**Cottage Maid,** pink, striped white	.60	4.25	40.00
6a	**Duc Van Thol, Rose,** for pots only	.70	5.00	45.00
8a	**Flamingo,** carmine-rose and white	1.15	8.00	75.00
12b	**La Riante,** deep rose, tipped rose	.85	6.50	60.00
8b	**Mme. Frylink,** very fine pink	.85	6.50	60.00
10a	**Queen of the Netherlands,** pale pink	.60	4.50	42.00
12b	**Pink Beauty,** bright rose pink shading to blush-white	1.25	8.50	80.00
12a	**Princess Wilhelmina,** deep rosy red, flushed white	.60	4.50	42.00
9a	**Proserpine,** glossy pink, early	1.25	8.50	80.00
7b	**Rose Gris de Lin,** delicate rose, flushed white	.60	4.25	40.00
8b	**Rose La Reine,** deep rose and white	.85	6.50	60.00
7b	**Rose Luisante,** brilliant deep pink	.75	5.50	50.00
8b	**Rosamundi,** rose, shaded white	.60	4.25	40.00
8a	**Vaughan's New Pink,** pink, shaded white	.70	5.50	50.00

Single White

		Doz.	100	1000
6a	**Duc Van Thol, White,** for pots only	$0.70	$5.00	$45.00
8a	**L'Immaculee,** pure white	.65	4.50	42.00
8b	**La Reine,** white, shaded rose	.70	5.00	45.00
9a	**Pottebakker White,** pure white	.70	5.00	45.00
10a	**Princess Helena,** pure white	.60	4.25	40.00
8a	**Princess Marie Anne,** white, shaded rose	.70	5.00	45.00
10a	**Queen of the Whites,** pure white	.60	4.25	40.00
12b	**Snowflake,** snow-white	.70	5.00	45.00
8b	**Von Vondel,** pure white, splendid	.70	5.25	48.00
15b	**White Swan,** pure white	.55	4.00	35.00
7a	**White Hawk,** white; very fine	.70	5.00	47.00

Single Yellow

8b	**Chrysolora,** golden-yellow; fine bedder	.70	5.00	45.00
10b	**Fred Moore,** deep orange, edged yellow	.65	4.50	42.00
7a	**Gold Finch,** pure yellow, sweet scented	.70	5.00	45.00
12b	**Golden Lion,** yellow and terra-cotta	.75	5.50	50.00
12b	**Golden Queen,** beautiful golden-yellow	.75	5.50	50.00
7a	**Mon Tresor,** pure yellow; large cup	1.00	7.50	70.00
8a	**Pottebakker Yellow;** fine for bedding	.60	4.50	42.00
12a	**Prince de Ligny,** golden-yellow	.70	5.00	45.00
8a	**Yellow Prince,** golden yellow; fine forcer	.70	5.00	45.00

Striped, Margined or Otherwise Colored

11b	**Cerise Gris de Lin,** mauve, edged white	1.00	7.00	65.00
12b	**Cottage Boy,** orange-red, bordered yellow	.60	4.50	40.00
9b	**Duchesse de Parma,** orange-scarlet, yellow edge	.65	4.50	42.00
6a	**Duc de Berlin,** clear scarlet, edged yellow	.75	5.50	50.00
6a	**Duc Van Thol, Red and Yellow;** very early, for pots only	.50	3.50	30.00
10b	**Grand Duke,** red with distinct wide golden border, one of the finest	.65	4.50	42.00
	Keizerkroon—see Grand Duke.			
8a	**Prince of Austria,** orange-vermillion.	.75	5.50	50.00
8b	**President Lincoln,** light violet	.60	4.50	42.00
7b	**Thomas Moore,** apricot-orange	.60	4.50	42.00
12b	**Van Vondel,** cherry-red, feathered white	.60	4.25	40.00
7b	**Wouverman,** dark violet	.70	5.00	45.00

Double and Single Early Tulips in mixtures are offered on next page.

DOUBLE TULIP SCHOONOORD

Single Named Tulips —For Bedding Only Our Selection

These are made up from varieties of same height and which bloom at the same period. To be recommended for bedding where the amount to be expended is limited.

White, Yellow, Red, Pink, Variegated.
Price, dozen, 60c; 100, $4.50; 1000, $40.00.

Vaughan's Mixtures of Single Tulips

VAUGHAN'S SPECIAL MIXTURE. We make up this mixture ourselves from best sorts, correctly proportioned as to colors and height, and time of blooming.
Per doz. 60c; per 100, $4.00; per 1000, $35.00.

EXTRA FINE SINGLE MIXED.
Per doz. 50c; per 100, $3.50; per 1000, $30.00.

FINE SINGLE MIXED. Per doz. 45c; per 100, $3.15; per 1000, $28.00.

VAUGHAN'S DOUBLE EARLY TULIPS

WHAT we have said in the beginning about Single Tulips applies also to the Double Tulips with their mammoth peony-like flowers of brilliant and beautifully diversified colors. They are very effective in beds on lawns and terraces. The flowers last much longer in bloom than the single varieties, and consequently, when single and double are planted in one bed, the time of flowering is prolonged from two to three weeks. Early sorts do very well when grown in pots for winter blooming, but they must be forced more slowly than the Single Tulips.

Explanatory. The number preceding the name of the variety denotes the height in inches, while the letters (*a*) and (*b*) indicates their earliness of bloom—the (*a's*) flower together and are the earliest; the (*b's*) flower together but are somewhat late.

PARCEL POST. 12 bulbs weigh 1 lb., 50, 4 lbs.; 100, 7 lbs.; add postage at Zone Rates on inside of front cover. **Plant** same as Single Tulips.

Double Red

		Doz.	100	1000
6a	**Duc Van Thol, Scarlet;** early	$0.60	$4.25	$40.00
9a	**Imperator Rubrorum,** bright scarlet	.90	6.75	62.00
12c	**Le Matador,** scarlet with purple glow	1.00	7.50	70.00
8b	**Rubra Maxima,** dazzling scarlet	.70	5.25	47.00
9b	**Vuurbaak,** bright scarlet, suffused orange	1.00	7.50	70.00

Double White

10b	**Boule de Niege,** pure white	.60	4.00	35.00
12b	**La Grandesse,** blush-white	.60	4.50	42.00
12b	**Schoonoord (White Murillo),** pure white. Extra fine	.60	4.00	35.00

Double Pink

10b	**Couronne des Roses,** bright pink	.85	6.50	60.00
12c	**Lac Von Haarlem,** rosy-violet	1.00	7.50	72.00
10b	**Lord Baconsfield,** deep rose	.70	5.00	45.00
14b	**Lucretia,** deep rose	.70	5.00	45.00
7a	**Murillo** (fancy), large pink, suffused white	.70	5.00	45.00
8a	**Salvator Rosa,** beautiful rose, fine forcer	.80	6.00	55.00

Double Yellow

		Doz.	100	1000
12b	**Brimstone Beauty,** yellow and apricot	$1.00	$7.50	$72.00
10a	**Couronne d'Or (Crown of Gold),** beautiful rich, golden yellow	.80	6.00	55.00
12b	**Golden King** large pure deep yellow	1.00	7.50	70.00
7a	**Tournesol Yellow,** yellow, shaded orange	.85	6.25	58.00

Double Striped or Otherwise Colored

6a	**Duc Van Thol, Red and Yellow**	.60	4.25	40.00
9a	**Gloria Solis,** bright scarlet, yellow border	.60	4.25	40.00
8b	**Titan,** scarlet, edged yellow	.70	5.75	52.00
8a	**Tournesol, Red and Yellow,** very showy	.85	6.25	50.00

Double Named Tulips

These make a fine effect where a solid color is desired, and their cost is not so much as the listed varieties; we are sure our customers will be pleased with results.

	Per Doz.	Per 100	Per 1000
White, Pink, Red / Yellow, Striped	$0.70	$5.00	$45.00

Vaughan's Mixtures of Double Tulips

VAUGHAN'S SPECIAL MIXTURE. This mixture we make up ourselves from the best named varieties and with such that will bloom about the same time, and of about the same height. Do not compare this mixture with regular mixtures which are made up by the Holland growers of cheap sorts.

Price: Doz., 70c; per 100, $4.50; per 1000, $40.00.

	Doz.	100	1000
Extra Fine Double Mixed	$0.60	$4.00	$35.00
Fine Double Mixed	.50	3.50	30.00

Summer Homes in Spring No fine gardens should be neglected in April and May. We have in mind chiefly, those who close up their summer homes in the fall and allow the gardens to become weedy wastes during the early spring months when they could be made so attractive by planting in October Daffodils and Tulips for spring bloom. Even if their beauty will not be enjoyed daily by the owner is it not more gratifying to have them seen and admired by others, and what is more, such plantings best typify the owner's love of gardening.

Be sure to add to your remittance sufficient to cover Parcel Post

DARWIN TULIPS

MAY FLOWERING

THESE majestic Tulips are without a rival in spring flowers. They are truly "The Aristocrats of the Spring Garden." Their adaptibility to our American climate, due to their hardiness and vigor, their stately bearing and exquisite shades, have in a few years increased their popularity to such an extent that where dozens sufficed before, they are now used by the thousands and tens of thousands.

The flowers are beautifully outlined, cup-shaped, and carried on tall stiff stems. They vary in color from almost jet black, crimson, scarlet, purple to lilac, mauve, pink and indescribable intermediate blendings and pastel shades. Yellow is the one color missing, but this can be supplied from the Cottage varieties listed on papes 8 and 9, with such kinds as Inglescombe Yellow, Gesneriana Lutea, G. Lutea Pallida, and Bouton d'Or which flower at the same time.

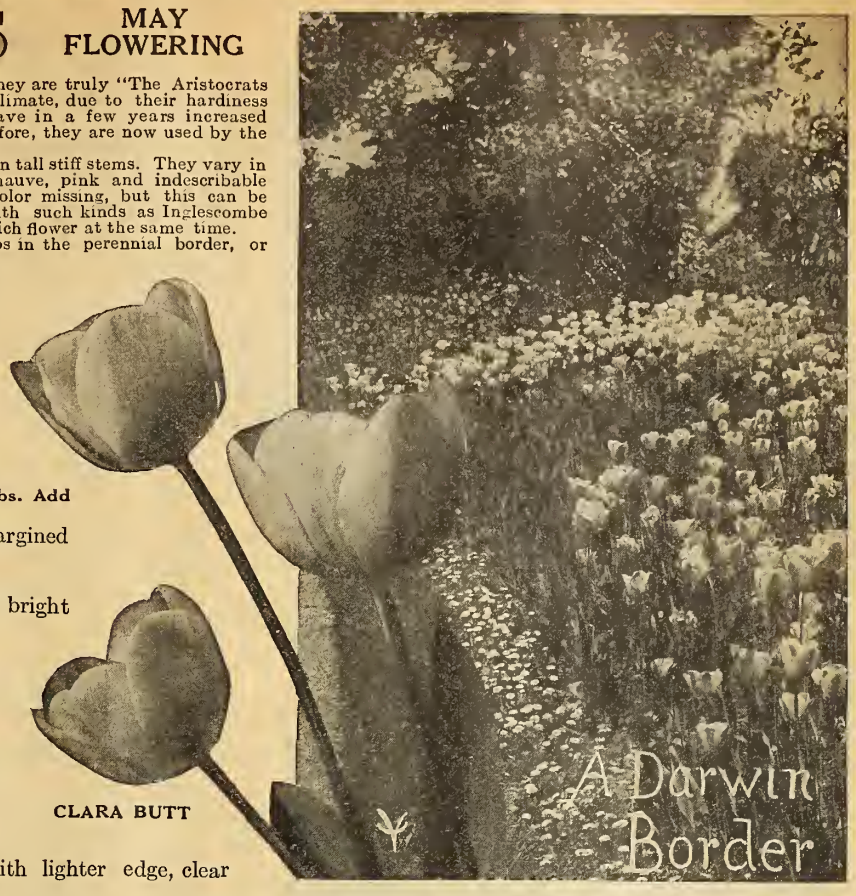
Darwin Tulips are excellent for beds or for planting in clumps in the perennial border, or bordering low growing shrubs and hedge rows. Flowering at a time (May) when all other spring flowers are over and before the Peonies and other early summer flowers are ready, they adequately fill a large gap in maintaining a continuous display of flowers between seasons. They are perfectly hardy, flowering with increased vigor each succeeding year.

They can also be grown in pots, and with a little gentle heat can be flowered a few weeks earlier than their ordinary season. Those we offer here are among the best in cultivation at the present day, and all have been proven at our Trial Grounds.

Planting.—The bulbs require planting about four or five inches deep and six inches apart in raised beds or borders so that the bulbs are above the level of adjacent lawn or walk.

The approximate height of each is given in inches.

By PARCEL POST, 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at Zone Rates on inside of front page.



CLARA BUTT

Baronne De La Tonnaye. (26 in.) Bright rose, margined blush rose; long, large flower, beautifully shaped.
Per doz.. **60c**; per 100, **$4.25**; per 1000, **$40.00.**

Bartigon. (22 in.) Large flowers of fiery crimson with bright scarlet margin. One of the best of its color.
Per doz. **$1.45**; per 100, **$11.00**; per 1000, **$100.00.**

Bronze Queen. (26 in.) Soft golden-yellow bronze. One of the most wonderful beauties of our collection.
Per doz., **85c**; per 100, **$6.50**; per 1000, **$60.00.**

Clara Butt. (20 in.) Bright shrimp pink, paler edges. Perfect bloom of medium height, white base Mid-season, lasts well. The best pink Darwin.
Per doz., **50c**; per 100, **$3.50**; per 1000 **$32.00.**

Dream. (25 in.) Pale violet changing to lavender, with lighter edge, clear blue base. Early and keeps its color.
Doz., **75c**; per 100, **$5.50**; 1000, **$50.00.**

REV. H. EWBANK

	Per doz.	Per 100	Per 1000
Electra. (25 in.) A fine erect flower, rosy purple with distinct pale border, and white base	$0.60	$4.25	$40.00
Erguste. (24 in.) Dark heliotrope, with lavender margin. Keeps its color well. Good for indoors or out	.70	5.25	48.00
Europe. (22 in.) Glowing salmon-scarlet, shaded rose; well formed globular flower, erect grower and lasts well	.70	5.25	48.00
Farncombe Sanders. (25 in.) Fiery rose-scarlet, inside vivid cerise scarlet with white center marked blue; flowers perfect shape.	.75	5.50	52.00
Flambeau. (26 in.) Brilliant rosy scarlet with blue base	.60	4.25	40.00
Glow. (23 in.) Brilliant, glowing vermilion, white and blue base	.75	5.50	50.00
Gretchen. (23 in.) Pale flesh pink, changing to light peach pink. Large egg-shaped bloom	.60	4.25	40.00
Harry Veitch. (24 in.) Brilliant blood red with slightly lighter margin; blue base. Immense blooms on stout stems. An extremely brilliant color that lasts well	.60	4.25	40.00
L'Ingenue. (20 in.) Pale rose, shaded creamy white; inside lit up with salmon rose	.85	6.50	60.00
La Tristesse (Dolores). (25 in.) Slaty mauve with silvery margin, and a violet and bronze reverse. A splendid contrast with the yellow Cottage Tulips	.70	5.00	45.00
Leonardo da Vinci. (25 in.) Shining violet black	.75	5.50	50.00
Massenet. Soft apple blossom flushed white; large flower	.75	5.50	50.00
May Queen. (24 in.) Soft lilac-rose, white center	.60	4.00	38.00
Massachusetts. (25 in.) Deep rose-banded petals with very distinct pale rose edges. Long oval blooms on strong, erect stems. Early and lasts well	.75	5.50	50.00
Mme. Krelage. (27 in.) Very similar to Massachusetts but the central pink band is a shade lighter and blends into the paler border. Earlier than Massachusetts and tones off lighter all over	.70	5.25	48.00
Mrs. Cleveland. (24 in.) Pale lilac rose, with light margin. A delightful color under glass	.70	5.25	48.00
Mrs. Potter Palmer. (26 in.) Deep reddish-purple, with dark blue base. A striking and distinct tulip	.70	5.00	45.00
Mrs. Stanley. (24 in.) Rose, purplish outside and paler towards the edges; large bright blue center	.60	4.50	42.00
Nauticus. Glowing dark cerise, center violet, and bronze	60.	4.00	38.00

Don't overlook the Liberty Offers, Darwin Tulips on next page

FAIRY QUEEN (*see next page*)

Darwin Tulips—Continued

	Doz.	100	1000
PRIDE OF HAARLEM. (28 in.) Bright rose suffused with purple; an enormous flower unsurpassed for groups because of its fine color and stately habit	$0.70	$5.25	$48.00
PRINCESS ELIZABETH. (Syn. **Julie Vinot.**) (26 in.) Large flower; soft rich rose toning to silvery rose at edges. Inside deep rose, white base. Highly recommended	1.15	8.00	75.00
PROF. RAWENHOFF. (28 in.) Cherry rose with ivory white and hlue base. Enormous, attractive flower	1.15	8.00	75.00
PAINTED LADY. (27 in.) Creamy white, faint tinge of heliotrope	.60	4.00	38.00
REV. H. EWBANK. (20i n.) Deep lilac toning at the edges to pale lavender. Lighter in color and not so tall as Dream, white base. Distinct flat open flower. Lasts well. Most popular of this shade	.75	5.00	45.00
SALMONEA. Beautiful salmon-rose	.75	5.00	45.00
SIERAAD VAN FLORA. (24 in.) Bright rosy pink flower, shaded with lilac; blue base. Very effective	.80	6.00	55.00
SUZON. (22 in.) Pale hlush pink outside, rosy pink inside. Blue and white hase. A distinct and desirahle tulip as a companion to some of the dark shades	.60	4.50	42.00
THE SULTAN. (24 in.) Deep maroon black, brownish margin	.50	3.50	32.00
VELVET KING. (21 in.) Crimson maroon, reflecting a purplish "bloom"; deep crimson inside. Creamy white base. Rounded petals. Distinct in color and shape from Zulu. Very fine	2.25	16.00	
WEDDING VEIL. (24 in.) Creamy white, flushed lilac, clear white base, black markings	.60	4.00	38.00
WILLIAM PITT. (22 in.) Very dark scarlet, with purple shade on the outer petals; large flower	1.00	7.50	72.00
WHITE QUEEN. White passing to pink	.60	4.00	38.00
ZULU. (27 in.) Rich, velvety, purple-black; large cup-shaped flower.	1.25	8.50	80.00
ZANZIBAR. (4 in.) Rich, glossy maroon, center dark blue andwhite	.60	4.50	42.00

Named Darwin Tulips

Special "Liberty" Offer

By special arrangement with one of our Dutch growers, who specializes in Darwin Tulips we are enabled to make the following remarkably low offers, to encourage the cultivation of these grand tulips (during wartime) in American Homes and Gardens.

All Prepaid to your door. Our Selection of Varieties.

No. 8A. 96 Bulbs. 8 named varieties, 12 of each, **for $4.00.**
No. 8B. 48 Bulbs. 8 named varieties, 6 of each, **for $2.25.**
No. 8C. 100 Bulbs. 'Liberty Mixture,' many kinds mixed, **for $3.50.**
No. 8D. 40 Bulbs. 'Liberty Mixture,' many kinds mixed **for $1.50.**

Note. We reserve the right to cancel the above offers if for circumstances due to War or other reasons. these bulhs should not arrive.

Mixtures of Darwin Tulips

	Doz.	100	1000
Special Mixture, made up by ourselves from best distinct kinds	$0.60	$4.00	$35.00
Regular Mixture, splendid value for mixed beds and cutting	.50	3.50	32.00

Cottage Tulips

MAY FLOWERING

THESE Tulips rival the Darwin Class for popular favor and justify their being planted in large quantities. Every known shade is to he found, from deepest crimson, to bright red, orange, glorious yellows, pink and a host of delicate tints of yellow, pink, cream, heliotrope. etc., hlended in to the most wonderful combinations that are almost impossihle to describe, They differ from Darwin Tulips, in having either oval or pointed hlooms, many with reflexed petals and blooma few days later, often carrying the flowering period of Spring bulbs into the early days of June, especially if planted in a shady position. Many sweet scented varieties are included, such as Ges. Lutea and G. Lutea Pallida, Mrs. Moon, Columhus. There is no end of material for color schemes in this class and when massed in beds, borders, or around and among shruhs they produce wonderful effects when suitahly contrasted. They will bloom in the same position in congenial soil, for two or three years without disturhing.

Planting.—Treat same as Darwins.

***For Pots.**—When grown in pots, these, like the Darwin tulips can be had in flower indoors during March and April, in a temperature not exceeding 55 degrees. Those hest suited for growing in this way are marked *

PARCEL POST, 12 bulbs weigh 1 lb., 50, 4 lbs.; 100, 7 lbs.; add postage at Zone rates.

	Doz.	100	1000
Avis Kennicott. (24 in.) Long pointed bloom of pure yellow, edges of petals slightly frilled	$0 80	$6 00	$55 00
***Billietiana Sunset.** (16 in.) Golden yellow splashed towards the edges of petals with dazzling scarlet, later suffuscd with red more deeply. A very desirahle variety	60	4 50	42 00
***Billietiana Illuminator.** (24 in.) This grand tulip was offered by us in America for the first time two years ago is an immense yellow flower, deeply margined and splashed with crimson, with dark Ixia-like base. Has won many awards in Europe. One of the last to flower. **Doz. $2.60; per 100, $20.00.**			
***BOUTON d' OR.** (16 in.) Round shapely blooms of the purest gold. Good for massing in beds or borders and very fine for vases when cut	$0.50	$3.50	$32.00
***CALEDONIA.** (20 in.) Beautiful globe-shaped flower of a bright orange color. Splendid, planted with a deep red	.60	4.00	35.00
***COLUMBUS. (Gala Beauty).** (18 in.) Medium sized pointed blooms of rich golden yellow, feathered and splashed with intense glowing scarlet. Sweet-scented. A delightful combination of color, distinct from all others.	1.70	13.00	115.00
CLUSIANA (Lady Tulip). (12 in.) White with small crimson base, outside hroadly flamed rose, a lovely flower	1.50	10.00	
DAYBREAK. Violet with large yellow border	1.50	10.00	

RETROFLEXA

Varieties marked thus (*) can be grown in pots and bloom early with gentle forcing.

VAUGHAN'S COTTAGE TULIPS

May Flowering

	Doz.	100	1000
ELEGANS. (16 in.) Dark crimson, reflexed petals. Very early	$0.60	$4.00	$35.00
ELEGANS LUTEA (Golden Spire). (18 in.) Immense pure yellow, the edges of the petals tipped and splashed with red. Almost as fine as Mrs. Moon, but not so tall	.80	6.00	55.00
EMERALD GEM. (18 in.) Rich coral shrimp-red, with beautiful sea-green base. Very durable in hottest sun and distinctly perfumed of Sweet Pea. A most uncommon beauty	.60	4.00	38.00
***ELLEN WILLMOTT.** (20 in.) Long pointed bloom of pale primrose yellow, edged golden yellow. Sweet scented	.70	5.25	48.00
***FAIRY QUEEN.** (20 in.) Oblong blooms of rosy heliotrope blending into a golden yellow at the edges of petals. Very distinct. One of the most beautiful of all	.60	4.00	35.00
***GESNERIANA LUTEA.** (20 in.) A very shapely bloom of the purest yellow; distinctly sweet scented. One of the best yellow tulips in existence for color and perfume	.60	4.00	38.00
GESNERIANA LUTEA PALLIDA (Mrs. Keightley). (20 in.) A pale primrose form of the preceding, highly perfumed and a little earlier. A charming tulip	.65	4.50	42.00
GESNERIANA MAJOR (Spathulata Major). (24 in.) Rich crimson-scarlet, with blue basal blotch. One of the best of its color for large plantings especially in combination with yellow or white	.60	4.00	38.00
GESNERIANA "Orange Globe". (22 in.) Rich crimson-scarlet, shading to orange. A grand contrast with Gesneriana Lutea Pallida	.60	4.00	35.00
GLARE OF THE GARDEN (18 in.) Large egg-shaped blooms of rich velvety crimson, with black and gold base. Pronounced the finest of late crimson tulips, Each 8c	.70	4.50	40.00
HAMMER HALES. Rich mahogany brown-edged, orange	2.60	20.00	
HOBBEMA. (16 in.) Also called **American Lac** and **Le Reve.** An exquisite shade of salmon pink and old rose. Perfect shape and early	1.50	10.00	
***ISABELLA (Shandon Bells).** (15 in.) A beautiful variety with large handsome flowers. Color primrose, flushed rose, changing to rosy-red	.60	4.00	35.00
***INGLESCOMBE PINK.** (24 in.) Beautiful clear pink with amber tinge inside, later becoming pure pink. A grand tulip that keeps well	.60	4.00	35.00
INGLESCOMBE SCARLET. (16 in.) Brilliant vermilion with a black base. One of the best reds	.60	4.00	38.00
INGLESCOMBE YELLOW. (18 in.) A fine, large, globe-shaped flower, color, full rich yellow; sometimes called the Yellow Darwin	.60	4.00	38.00
***IXIOIDES.** (18 in. Pure lemon yellow, very distinct pointed bloom similar to Ges. Lutea Pallida, but has a jet black base. When fully open resembles a giant Ixia, from which it derives its name. Late and lasts	1.00	7.50	72.00
***JAUNE D'OEUF.** (22 in.) Outside petals rose and orange, inside bronze and yellow. Very distinct	$0.75	$5.50	$50.00
JOHN RUSKIN. Soft orange and pale salmon, splendid	1.25	8.00	
***LA MERVEILLE.** (20 in.) Extra large fragrant flower, color scarlet, suffused with apricot-orange	.60	4.00	38.00
LEGHORN BONNET. (18 in.) Beautiful pale straw yellow. The broad, thick petals form a peculiar and distinct three-sided bud, not found in other tulips	.60	4.00	38.00
MACROSPILA. (18 in.) A glowing crimson scarlet with deep zone of black and yellow; splendid for cutting	.60	4.00	38.00
MAIDEN'S BLUSH (Picotee). (20 in.) A long-shaped flower, pure white recurved petals, margined rose	.50	3.50	30.00
MARJOLETTI. (14 in.) An uncommon and beautiful species from Savoy, delicate pale yellow, cerise blotch	.60	4.50	40.00
***MAURIANA** (20 in.) Large oval blooms. Bright scarlet with gold center. A very brilliant bedder	.60	4.50	40.00
MRS. KERRELL. Light rose with delicate amber tinge, center white bordered blue	4.00	30.00	
MRS. MOON. (30 in.) This is beyond doubt the finest late yellow tulip in existence. The blooms are long and pointed. the outer petals reflexed. Distinctly perfumed. Highly recommended for large beds and borders	.75	5.50	50.00
MOONLIGHT. (20 in.) Oblong blooms of delicate pale yellow. Very distinct. Plant in semi-shade	.70	5.75	52.00
***PARISIAN WHITE.** (14 in.) Pure white, edged silvery-pink, beautiful globe-shaped flowers	.60	4.00	38.00
***PARISIAN YELLOW.** (22 in.) Large, handsome, clear yellow flowers, borne on long stems. Fine for cutting	.60	4.00	38.00
RETROFLEXA. (16 in.) This is quite a distinct and charming type. Large pale yellow flowers, with pointed petals, elegantly recurved	.70	5.00	45.00
***SCARLET EMPEROR.** (24 in.) Brilliant glowing scarlet. Flowers of gigantic size, cup shaped, with clear yellow base. (Awarded 1st-class certificate R. H. S. England)	1.25	8.00	75.00
SWEET NANCY. (18 in.) Pure white, edges margined and penciled with pink	.60	4.00	38.00
THE FAWN. (20 in.) Egg-shaped bloom of yellowish fawn color, blended with pale rosy lavender and blush pink margin. One of the prettiest of all late tulips	.60	4.00	38.00
VITELLINA. (22 in.) A charming flower of an exquisite pure pale primrose shade	.70	5.25	48.00
YELLOW PICOTEE. Pure Yellow, margined crimson, becoming splashed and feathered with crimson at maturity. Large elegant flower	1.50	10.00	
GOOD MIXED. Fine assortment for cutting	.40	2.75	25.00

THE FAWN

*Vaughan's Special Mixture Cottage Tulips

This mixture contains many of the named sorts of the preceding list. We mix it ourselves and know just what it contains. The result from a planting of 100 bulbs will be dazzling, and we strongly advise our customers to order at least this many bulbs. Should be planted in quantity for cutting.

Per dozen, 60c; per 100, $4.00; per 1000, $35.00

Vaughan's Special Collections—Cottage Tulips

These collections are made up from varieties of the preceding list. **We select good varieties** and give a choice assortment of colors. Customers can rely on good value.

No. 9. { 25 each of 10 varieties, packed separate. Price, $9.25. Express at purchaser's expense.
No. 9A. 10 each of 10 varieties, packed separate, $4.50, prepaid.
No. 9B. 5 each of 10 varieties, packed separate, $2.50, prepaid.

A Splendid Late Double Tulip

BLEU CELESTE. (Blue Flag). Blooming in May with the Cottage Tulips, this magnificent variety makes a wonderful showing in the herbaceous border, or, in the partial shade of low shrubs. The blooms are large and very double (resembling a good double peony) a delightful shade of pale bluish-purple and are borne on long stems, making them splendid decorative flowers.

Per dozen, 75c; per 100, $5.50; per 1000, $50.00.

Parrot or Dragon Tulips

THEIR fringed and corrugated petals with their wonderful variation make these old-fashioned flowers the most curious of all Tulips. Flowering at the same time as other late sorts, they are entirely distinct from any other; the flowers are thick-pctaled with extra long stems, and keep extremely well after being cut. The average height of them is about 15 inches.

If by PARCEL POST, 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at Zone Rates on inside of front cover.	Doz.	100	1000
ADMIRAL DE CONSTANTINOPLE. Red, tipped orange	$0.50	$3.50	$32.00
LUTEA MAJOR. Bright yellow; large	.50	3.50	32.00
MARKGRAVE. Yellow, striped scarlet and green	.60	4.00	35.00
PERFECTA. Yellow, striped red	.50	3.30	30.00
COULEUR CAFE. Brown and yellow	.50	3.50	32.00
CRAMOISIE BRILLIANT. Deep crimson with large black center	.60	4.00	35.00
GLORIOSA. Red and yellow	.50	3.50	32.00
MIXED, Superfine	.45	3.10	28.00

Varieties marked thus (*) can be grown in pots and bloom early with gentle forcing.

BREEDER TULIPS

BREEDER TULIPS

BREEDERS are the unbroken forms of the old Florist Tulips. They were formerly listed among the Cottage-Tulips but they really form a distinct class by themselves. Their purple' maroon or terra cotta colors with **enormous** size and vigorous growth, make them very valuable; flowers have unusual lasting qualities and are very sweet scented. They should be treated in the some way as Darwins, but cannot be forced.

If by Parcel Post, 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at zone rates.	Doz.	100	1000
APRICOT. Bronze, shaded Apricot, olive base, large flower	$1.75	$12.00	.....
CARDINAL MANNING. (28 in.) Wine-red, flushed rosy brown	.80	6.00	$55.00
FEW ARDENT. Brilliant firey red, good forcer	1.50	10.00	.....
GENERAL NEY. (25 in.) Old gold with olive. Large flower	1.25	9.00	86.00
LOUIS XIV (New). (16 in.) An immense flower, rich purple, with golden-bronze margin; inside bronzy purple. A gigantic and very handsome tulip	5.00	40.00	.....
LUCIFER. Bright terra-cotta-orange. Very large	2.00	15.00	.....
MEDEA. (24 in.) Salmon, carmine red. A very bright flower	.60	4.25	40.00
TURENNE. (25 in.) A remarkbly fine tulip of rich purple, broadly margined amber. Inside brownish-yellow	2.00	15.00	.....
YELLOW PERFECTION. (24 in.) Light bronze-yellow	.85	6.50	60.00
VAUGHAN'S BEST MIXED. Extra fine	.60	4.00	35.00

Old Fashioned Striped Tulips—LATE FLOWERING

If by mail, weight same as other Tulips.

	Doz.	100	1000
Bizarres — Flowers beautifully blotched, striped and feathered with crimson, pink, scarlet, rose, lilac and purple on yellow ground	$0.50	$3.50	$30.00
Bybloemens—White ground, blotched, striped or feathered with lilac, purple, violet, blue	.50	3.50	30.00

Number of Bulbs required for Circular Beds

Diameter of Bed	3 inches apart	4 inches apart	6 inches apart	8 inches apart	Diameter of Bed	3 inches apart	4 inches apart	6 inches apart	8 inches apart
3 feet	127	95	37	...	8 feet	817	469	217	127
4 feet	217	127	61	37	9 feet	1027	650	271	156
5 feet	331	225	91	69	10 feet	1261	721	331	190
6 feet	469	271	127	78	11 feet	1519	940	397	240
7 feet	631	410	169	96	12 feet	1801	1027	469	271

VAUGHAN'S MODEL BEDS

Effective Color Scheme

(Order by Number)

IN order to assist those of our customers who are not familiar with the arranging of beds, we offer the following collections. We, of course, take special care to select only such varieties as will flower at the same time and be of the proper height. Many brilliant color effects can be produced from Tulips that are impossible to secure with other plants. We shall be pleased to advise our customers with regard to other shapes and designs of beds that they may have, advising number of bulbs required.

Prices quoted are by express at purchaser's expense.

Vaughan's Hyacinth Beds

These prices are for our Fancy "Bedding Grade" Bulbs which give large and satisfactory spikes. If **first size named kinds** are required please remit double the price.

No. 1. **Round Bed.** 5 ft. diam. 100 Bulbs in four varieties. Fancy Bedding Grade. **Price, $7.50.**

No. 2. **Square Bed.** 6 ft. sides. 200 Bulbs in three varieties. Fancy Bedding Grade. **Price, $15.00.**

No. 3. **Oblong Bed.** 6 ft. x 3 ft. 60 Bulbs in 2 colors. Fancy Bedding Grade. **Price, $4.50.**

Early Tulips—Single Varieties

The following quantities are for **Round Beds** 6 ft. in diameter. Bulbs planted 4 inches apart.

No. 4. 150 Belle Alliance, scarlet (center); 120 Chrysolora, yellow (outside). **Price, $13.00.**

No. 5. 150 Cottage Maid, pink (center); 120 Thomas Moore orange (outside). **Price, $11.50.**

No. 6. 150 Keizerkroon, red and yellow (center); 120 Chrysolora, yellow (outsider.) **Pice, $12.50.**

Early Tulips—Double Varieties

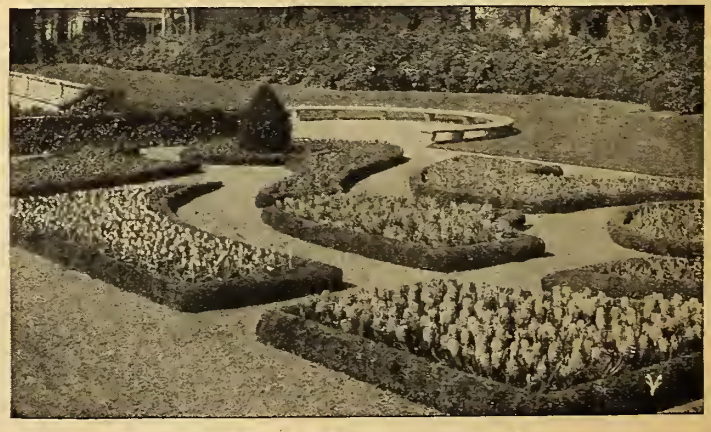
No. 7. 150 Imperator Rubrorum. scarlet (center); 120 Murillo, pinkish white, (outside). **Price, $16.00.**

No. 8. 150 Brimstone Beauty, yellow (center); 120 Rubra Maxima, scarlet (outside). **Price, $17.00.**

Darwin and Cottage Tulips

Here are some suggestions for color schemes that are effective to use, when planting these bulbs in borders, shrubberies or beds. For heights and descriptions see general lists. *D*—Darwin; *C*—Cottage.

Bartigon (*D*) scarlet.....**Gretchen** (*D*) blush
Velvet King (*D*) maroon.....**Suzon** (*D*) pink
Gesneriana Lutea (*D*) yellow.....**Glare of the Garden** (*C*) red
Mrs. Moon (*C*) yellow.....**La Merveille** (*C*) flame
Ges. Lutea Pallida (*C*) pale yellow..**Emerald Gem** (*C*) shrimp red
The Sultan (*D*) maroon.....**Bouton d'Or** (*C*) golden yellow
Dream (*D*) lavender blue.....**The Fawn** (*C*) grayish fawn



BEDS OF TULIPS AND HYACINTHS

Plant Cottage and Breeder Tulips among the Peonies and other hardy plants. Effective without interference.

DAFFODILS OR NARCISSI

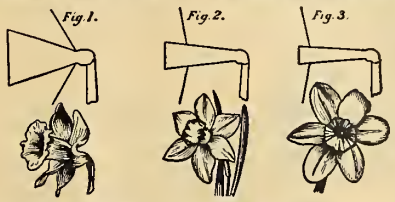
NO early spring flower has become more popular than the Daffodils. In beauty of form and color in hardiness, they hold a distinguished place in every garden. They are so easily grown that even the beginner can have them in abundance. Astonishing prices are paid today for a single bulb of some of the new hybrids and the list of varieties is long.

Those we offer are all choice distinct types of the different groups, some moderately priced new kinds being listed each year. They are perfectly hardy (excepting the Polyanthus group), and do well in any location, flowering and increasing yearly. Groups of Daffodils in the border with perennial plants or along the edges of shrubbery are exceedingly effective. Nothing is finer for winter flowering in greenhouses and window gardens or growing in pots or pans. Three or four bulbs can be planted in a 6-inch pan and should be given the same treatment as early Tulips. For outdoor culture plant the bulbs 5 or 6 inches apart. fertilizing with bone meal at the rate of two handfulls to a square yard. Fresh manure should never be used. Make the beds four inches higher than the surrounding lawn or walks to insure good drainage.

NARCISSUS VICTORIA

Classification of Daffodilis or Narcissi

"Daffodils" or "Narcissi," whichever one wishes to term them, are divided into three main divisions: (A), **MAGNI CORONATI, large trumpet Daffodils;** (B), **MEDIO CORONATI, medium sized trumpets,** and (C), **PARVI CORONATI, small cupped varieties.** If a Narcissus bloom is examined, it will be found to consist mainly of two petas: (1), **a long expanding tube,** and, (2), **a perianth** (the petals or perianth segments), bending outwards from the tube; the three classes mentioned above depend upon the point on the tube or trumpet at which the petals are attached. When they come from the base so that the whole tube forms **the trumpet,** the flower belongs to the **Magni Coronati** (Fig. 1). When they come further forward on the tube, thus shortening the trumpet in front by about half, it belongs to the **Medio Coronati** (Fig. 2), and when the perianth is still more forward until the trumpet appears small-cupped or saucer-shaped, this is a type of **Parvi Coronati** (Fig. 3). Example 1—**King Alfred;** example 2—**Gloria Mundi;** example 3—**Incognita.** Polyanthus Narcissi. Double Narcissi, and Jonquils are too distinct to need mentioning here



Large Trumpet Narcissi (ALL YELLOW)

PARCEL POST. **Large Bulbs, 12 weigh 1½ lbs.; 50, 5 lbs.; 100, 10 lbs. Mammoth Bulbs; 12 weigh 3 lbs.; 50, 9 lbs.; 100, 18 lbs. Price "each" includes postage. Add postage at Zone Rates.**

Ard Righ (Irish King). Full yellow perianth, with rich golden yellow trumpet. Forces well.

Doz.	100	1000
$0.75	$5.50	$50.00

NARCISSUS KING ALFRED

VAUGHAN'S CHRISTMAS GLORY. Perianth pale yellow and full. Medium size trumpet of rich yellow, well expanded and prettily frilled. Very productive, large bulbs giving from three to six blooms each. A week to 10 days earlier than any other in this list. Invaluable indoors on account of its earliness and free-blooming qualities.

Doz.	100	1000
$1.00	$7.00	$65.00

EMPEROR. A magnificent sort. The entire flower is a rich yellow; trumpet of immense size and petals so broad that they overlap. Three of these bulbs planted in a 6-in. pot will make a splendid show.

Large Bulbs	.70	5.00	48.00
Mammoth Bulbs	.85	6.50	62.00

Golden Spur. A tall, vigorous, golden yellow flower, with healthy green foliage. Fine for beds or pots. Very early.

Large Bulbs	.60	4.50	42.00
Mammoth Bulbs	1.00	7.50	70.00

GLORY OF LEIDEN. Immense flowers of majestic appearance; very long, fluted trumpet, rich golden yellow; the perianth segments are very broad, and overlapping; this variety deserves first place in any Narcissus collection. 1.10 8.00 $75.00

Henry Irving. A beautiful pure yellow flower, with broad spreading perianth and fine trumpet. A good forcer, and showy in beds. .75 5.50 50.00

KING ALFRED. "The King of Yellow Daffodils." Tall, vigorous, golden-yellow flower, of elegant form. The expanded trumpet measures 2½ inches in diameter, the perianth proportionately large and segments gracefully twisted. Height, 24 inches. 3.50 25.00 .....

Obvallaris. (Tenby Daffodil.) Vigorous, early, pure yellow daffodil. Good for beds or pots. .70 5.00 45.00

SHAKESPEARE. An extra fine seedling; beautiful, erect and bold flower with large broad light yellow perianth, and an immense golden-yellow trumpet. 2.60 20.00 .....

Spurius Major. (Single Von Sion.) Flower large and of a uniform deep golden-yellow. Highly prized as a forcing sort and largely planted outside. .70 5.00 45.00

Trumpet Maximus. Pure golden-yellow; large expanded trumpet with frilled reflexed brim. Good for beds or indoors. .70 5.00 45.00

NARCISSUS DUKE OF BEDFORD

Medium Sized Trumpets

Incomparabilis Class

THIS class includes many of the most beautiful and useful Daffodils for bedding, naturalizing and border planting. Strong growers, hardy and free bloomers. Forced for winter flowers they are splendid.

We include under this heading the beautiful **Leedsii** kinds, which belong to it only in shape, but are quite distinct in color. All have the purest white perianths and as a rule white cups, though some are often shaded primrose or faint buff-orange. They make excellent pot plants; force well, blooming early. Entirely hardy out of doors and well adapted for planting out permanently in grass or in the Hardy Plant Border.

PARCEL POST. **Weights of all the following bulbs are as follows; 12 bulbs, 1 lb.; 50, 5 lbs.; 100, 10 lbs. Add postage at Zone Rates on inside of front cover.**

Autocrat. A flower of exquisite shape; perianth and cup a uniform pure yellow. Excellent for pots or beds. Per doz., **60c**; 100, **$4.50**; 1000, **$42.00.**

Beauty. Sulphur-yellow perianth, large yellow cup margined scarlet.
Per doz., **70c**; 100, **$5.50**; 1000, **$50.00.**

BLACKWELL. One of the earliest in this section and a splendid forcing variety. Perianth, primrose yellow, of good substance, with a long tubular cup, orange-red to the base. Very striking.
Per doz., **$3.50**; 100, **$25.00.**

C. J. Backhouse. Pale yellow spreading perianth, with a long cup of glowing orange-red.
Per doz., **75c**; 100, **$5.50**; 1000, **$50.00.**

Gloria Mundi. A lovely flower, with fine, bold, clear rich yellow perianth, large cup, much expanded, and very heavily stained orange-scarlet; handsome and striking. Per doz., **$1.25**; 100, **$8.00**; 1000, **$75.00.**

HOMESPUN. **(Primrose Sir Watkin.)** One of the finest of all yellow Incomparabilis. Color clear uniform yellow, perfect form, substance and quality. **Has received more awards than almost any other Daffodil.** Per doz., **$5.00**; 100, **$40.00.**

Lucifer. (New). Long, white segments, long narrow cup, color intense glowing orange-scarlet. Splendid garden plant, as color lasts well in the sun.
Per doz., **75c**; 100, **$5.50**; 1000, **$52.00.**

SIR WATKIN. A well known daffodil, excellent for large plantings, or growing in pots. Full perianth of pure yellow with large rich golden trumpet.
Mammoth Bulbs. Per doz., **$1.00**; 100, **$7.00**; 1000, **$65.00.**
Medium Size. Per doz., **70c**; 100, **$5.25**; 1000, **$48.00.**

Large Trumpet Narcissi

BICOLOR TYPES

White or cream perianth segments with primrose or deep yellow trumpets.

PARCEL POST. **Large Bulbs, 12 weigh 1½ lbs.; 50, 5 lbs.; 100, 10 lbs. Mammoth Bulbs, 12 weigh 3 lbs.; 50, 9 lbs.; 100, 18 lbs.; Price "each" includes postage. Add postage at Zone rates.**

	Doz.	100	1000
DUKE OF BEDFORD. (New.) A bicolor of massive proportions; perianth pure white, 4½ inches across, with large expanding clear yellow trumpet	$5.00	$40.00	.....
EMPRESS. This makes a fitting companion to Emperor. We think it one of the finest of bicolors. The trumpet is of a rich yellow, with perianth of snow-white petals; flowers bold and erect.			
Large Bulbs	.70	5.00	$48.00
Mammoth Bulbs	.85	6.50	62.00
J. B. M. Camm. Perianth white, with a cream-colored trumpet, one of the finest white-winged varieties	.85	6.50	62.00
Mme. Plemp. Pure white perianth, with broad over-lapping segments. Fine yellow trumpet of great substance	.85	6.50	62.00
Mrs. Walter T. Ware. A perfect shaped, very free and early blooming Daffodil with pure white perianth and well expanded, beautifully recurved, golden yellow trumpet	75.	5.75	52.00
PRINCEPS MAXIMUS. A popular variety, being used extensively for naturalizing in woodlands or along streams; one of the best forcing sorts, being very early; perianth sulphur yellow, trumpet rich yellow.			
Mammoth Bulbs	.75	5.50	50.00
Large Bulbs	.60	4.50	42.00
VICTORIA. Flowers large and erect, with creamy-white perianth of remarkable breadth and good quality; the trumpet is a clear rich yellow, and frilled at mouth.			
Mammoth Bulbs	1.00	7.00	65.00
Large Bulbs	.60	4.50	42.00

White or Cream Large Trumpets

White perianths with white or sulphur trumpets, which change to white as the flowers mature.

PARCEL POST—Rates same as above.

	Doz.	100	1000
MME. DE GRAAFF. The grandest of white daffodils. Broad white overlapping perianth segments, with cream trumpet, changing to white, beautifully expanded and rolled back	$1.25	$9.00	.....
Mrs. Thompson. Large and handsome, with an elegantly frilled trumpet. It first appears primrose, changing with age to pure white. A strong grower, early and free bloomer	.70	5.00	$45.00
W. P. Milner. Beautiful pure sulphur yellow. Distinct free flowering	.60	4.50	40.00

Leedsii Narcissus

Also called the Eucharis-flowered Narcissus.

All have white perianths with white or sulphur trumpets. Most beautiful classes for cutting of all daffodils.

If by Parcel Post, weights same as above.

DUCHESS OF WESTMINSTER. A most refined and graceful flower, with a large white spreading perianth, and long pale canary cup, which later passes to pure white.
Per doz., **$1.50**; 100, **$10.00.**

Marie De Graaf. Broad, white perianth, petals and widely expanded primrose crown, often suffused with orange or terra cotta shade.
Per doz., **75c**; 100, **$5.50**; 1000, **$50.00.**

Mrs. Langtry. A remarkably free flowering variety, broad white perianth, and white cup opening pale primrose. Valuable for naturalizing.
Per doz., **60c**; 100, **$4.00**; 1000, **$35.00.**

WHITE LADY. A giant flowering variety resembling a White Sir Watkin. Large broad pure white perianth and a bold frilled cup of pale citron passing to white.
Per doz., **75c**, 100, **$5.50**; 1000, **$52.00.**

"Special" Collections

These collections are excellent value, and well suited for growing in pots. The selections of varieties are to be left to us, and are all choice **small** and **medium cupped** varieties. **Leedsii** varieties are included with the Incomparabilis.

No. 12C— 6 of each in 5 varieties (30 bulbs) $1.65
No. 12D— 6 of each in 10 varieties (60 bulbs) $3.60
No. 12E—12 of each in 10 varieties (120 bulbs) $7.25
No. 12C, No. 12D, Postpaid; No. 12E, Express.

NARCISSUS MME. DE GRAAFF
The Finest in its Class

Small Cupped or Star Narcissi

To this class belong the most interesting of all Narcissi, including the **Barri, Burbidgei, Engleheart** (Flat trumpet) sorts. The cups are usually tipped red, or entirely orange-scarlet, and are dainty flowers for pot culture, or nooks in the garden. Plant in semi-shade, as strong sunlight is liable to burn the red cups.

	Doz.	100	1000
Barri Conspicuus. A flower of exquisite beauty, unexcelled for cutting; large, broad spreading perianth, broad, short cup conspicuously edged bright orange scarlet. Lasts long in water	$0.60	$4.00	$38.00
FIREBRAND. (New). A grand introduction. Large spreading creamy white perianth with crinkled trumpet, brilliant fiery red to the base. Planted in pots it is extremely fascinating	.85	6.50	60.00
Flora Wilson. A large pure white perianth; yellow crown deeply stained with orange red	.75	5.50	50.00
INCOGNITA. (New). A beautiful flower, with large white perianth, large, flat cup of a glowing orange apricot color, margined cinnamon-buff. One of the finest of recent introductions. Each 40c	2.60	20.00	.....

Poeticus Narcissus

POET'S NARCISSUS OR PHEASANT-EYE.

THESE are a beautiful class of daffodil. The flowers vary in perianth diameter from 2½ to 4 inches. The segments are pure white, overlapping in the newer varieties, the flat cup is yellow, usually edged scarlet, or sometimes entirely scarlet. They have a delightful perfume, and make grand indoor plants in pots, the earlier ones forcing well if desired. They also are adapted for planting in the garden, woods, or amongst shrubbery, where left to themselves they will rapidly increase and spread.

PARCEL POST Reckon postage at rate of 1 lb per dozen bulbs; 7 lbs. per 100. Add postage to your remittance.

Poeticus. (Common Pheasant's Eye). The Narcissus for garden planting; pure white with scarlet-edged cup or eye. Fine for naturalizing, being hardy and increases readily in numbers; late.
Per doz., **45c**; 100 **$3.00**; 1000, **$28.00.**

Praecox Grandiflorus. A new and large type of early-flowering Poeticus; very large and handsome flowers; pure white with yellow cup suffused with crimson; height 19 inches.
Per doz., **60c**; 100, **$4.50**; 1000, **$42.00.**

Glory. A grand new variety producing immense snow-white flowers of perfect form; cup yellow edged red.
Per doz., **70c**; 100, **$5.00**; 1000, **$45.00.**

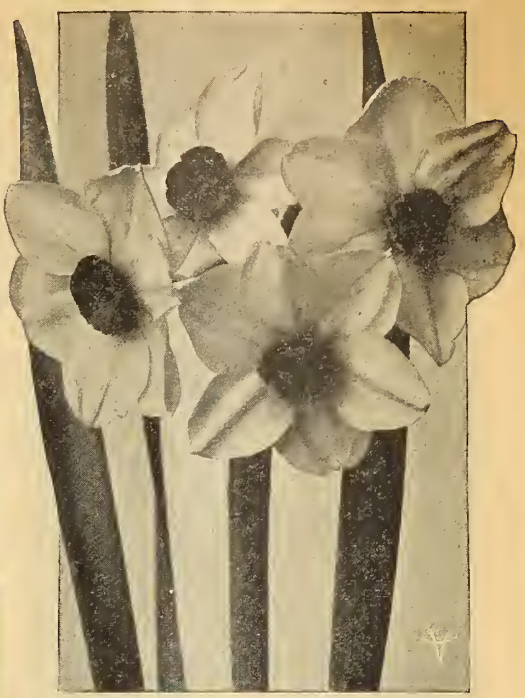
Ornatus. A much improved form of the ordinary Poeticus, producing larger flowers and appearing two weeks earlier; for this reason they are especially adapted for forcing and make a splendid cut flower.

Large Bulbs, per doz., **45c**; 100, **$3.00**; 1000, **$28.00.**

Mammoth Bulbs, per doz., **60c**; 100, **$4.50**; 1000, **$40.00.**

TYPE OF NARCISSUS POETICUS

SMALL CUPPED NARCISSI



NARCISSUS POETAZ ELVIRA

POETICUS VARIETIES—Continued

King Edward VII. (Almira). Magnificent large flowers with broad, round petals, a glistening white; the yellow cup is edged deep red; very early flowering variety.
Per doz., **70c**; 100, **$5.00**; 1000, **$45.00.**

Narcissus Poetaz

(THE HARDY, CLUSTER-FLOWERED DAFFODIL)

BY crossing Poeticus and Polyanthus varieties growers have succeeded in obtaining this perfectly hardy strain of bunch-flowering Narcissus. The individual flowers have more or less the Poeticus shape and size. Besides being hardy, this class has the merit that they have not inherited the strong, disagreeable scent of the Polyanthus Narcissus. Planted in beds they make a mass of flowers. They also do well planted in pots for winter flowers.

PARCEL POST. 12 bulbs weigh 1 lb.; 100, 7 lbs. Add postage at Zone rates.

Alsace. Petals pure white with yellow eye; when bursting into flower the eye is slightly edged reddish. Broad, large flowers of true Poet form; one of the earliest. Has three flowers on a stem.
Per dozen, **70c**; 100, **$5.00**; 1000, **$45.00.**

Irene. Perianth silky sulphur-yellow changing to light yellow: orange eye; large broad truss, bearing 8 to 9 flowers; most pleasing color; this novelty no doubt will soon be in good demand.
Per dozen, **75c**; 100, **$5.50**; 1000, **$50.00.**

POETAZ VARIETIES—Continued

Aspasia. Perianth pure white, with yellow eye true Poeticus form, large flowers, borne on very tall stems, grows 24 inches high, 3 to 4 flowers on a stem.
Per dozen, **70c**; 100, **$5.00**; 1000, **$45.00.**

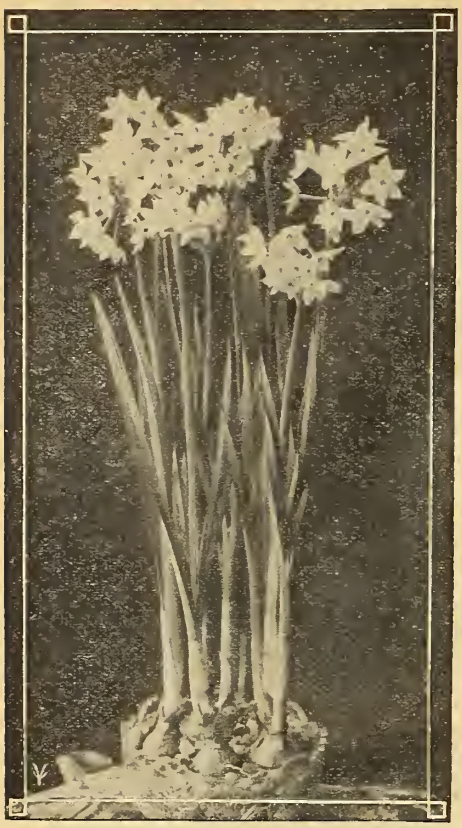
Elvira. Pure white with yellow eye, large flower of remarkably good substance; a good keeper; very long stemed, 3 to 4 flowers on a stem; one of the strongest growing Narcissus. Extra free-flowering.
Per dozen, **70c**; 100, **$5.00**; 1000, **$45.000.**

	Doz.	100	1000
Klondyke. Perianth yellow, with deep golden eye; one of the deepest yellows. Trusses bring 6 to 7 flowers	$ 1.50	$10.00	.....
Triumph. Pure white perianth, with deep yellow eye; the largest flowers of this section, resembling Narcissus Bazelman Major; 3 to 4 flowers on a stem; a sterling novelty	.85	6.50	60.00

Vaughan's Special Offers

No. 13E—3 each, "Poeticus" named on this page, postpaid **$0.75**

No. 13H—3 each, "Poetaz" named on this page, postpaid **1.25**



PAPER WHITE GRANDIFLORA Growing in Gravel

Polyanthus Narcissus (BUNCH FLOWERED)

NARCISSUS TAZETTA

THE Polyanthus or bunch-flowered Narcissi are not only beautiful, but exceedingly fragrant, and may be grown in bowls or glasses under the same treatment as for Chinese Sacred Lily. Also suitable for window garden, conservatory or garden, very free flowering and continuing long in bloom. Their tall spikes of bloom bear from six to one dozen flowers each. The pure white petals and gold cups of some varieties, the yellow with deep orange cups of others and the self whites and yellows render them great favorites. They are not quite as hardy as the other types of Narcissus and therefore should be carefully protected in cold climates when grown in the garden.

If by PARCEL POST, 12 bulbs weigh 3 lbs.; 50, 10 lbs. Add postage at zone rates.

	Each	Doz.	100
Bazleman Major—Large flowers in immense clusters; broad pure white perianth; large dark yellow cup; one of the finest Polyanthus Narcissus in cultivation	$0.12	$1.00	$7.00
Gloriosus—Pure white flowers of large size with orange cup; borne in large heads	.12	1.00	7.00
Grand Monarque—One of the finest of the Polyantha section, giving excellent results when grown in gravel and water. The bulbs are of large size. Flowers are white with a lemon-yellow cup	.12	1.00	7.00
Grand Primo—Perianth pure white, with citron cup	.12	1.00	7.00
Lord Canning—Clusters of large golden yellow flowers with orange cups; extra fine	.12	1 00	7.00
Maestro—Large round, thick-petaled flowers of cream white, with deep orange cup; a grand sort	.12	1.00	7.00
Mont Cenis—This is undoubtedly the finest of Narcissi; its large white flowers with yellow cup come to a medium height, often more than two flower stems from a bulb and each stem 15 to 18 blooms	.12	1.00	7.00
WHITE PEARL—Large pure white flowers opening with cream cups, which change to white in a day or two; these chaste and beautiful flowers are borne in large clusters	.12	1.00	7.00

Paper White Grandiflora

	Doz.	100	1000
LARGE FLOWERING—More vigorous and earlier than the old Paper White, producing purest snow-white flowers of large size and good substance. This Narcissus does plendidly when grown in bowls of water and pebbles or moss the same as Chinese Narcissus.			
Medium Bulbs, 12-13 ctms	$0.40	$3.00	$25.00
Fancy Selected Bulbs, 13 ctms	.50	3.50	30.00
Mammoth Bulbs, 14 ctms	.60	4.00	35.00

Double Sacred Lily (Double Roman Narcissus)

GROWN in the same manner as Chinese Sacred Lily. Produces abundance of double flowers; white, shaded beautiful yellow; fragrant and lasting. Can be easily brought into bloom for Christmas. Each, **10c**; doz., **85c**; 100, **$6.00.**

Vaughan's Special Collections, Polyanthus Narcissus

14A—1 of each (6 varieties), postpaid **$0.60**
14B—3 of each (6 varieties), postpaid **$1.50**

Double Narcissi

THESE oid fashioned diffodils are still very popular, and though they lack the sturdiness of some of the single varieties as bedders, the "Phoenix" varieties have a delightful fragrance and are excellent for cutting, while the old Von Sion has no equal of its class for potting or forcing.

If by Parcel Post, 12 Mother bulbs weigh 3 lbs.; 50, 10 lbs. Other sizes, 12 bulbs, 2 lbs; 50, 7 lbs

	Doz.	100	1000
Alba Plena Ordorata—The well known double white, sweet scented form of Poeticus; sometimes called the gardenia-flowered Narcissus. Late flowering, and will not force. Best suited for beds or naturalizing. (See page 15)	$0.50	$4.00	$35.00
Incomparabilis (Butter and Eggs), the double form of Sir Watkin. Light yellow and orange; forces well	.50	4.00	35.00
Orange Phoenix (Eggs and Bacon) white and orange	.70	5.00	45.00
Sulphur Phoenix (Codlins and Cream), white and sulphur yellow. One of the best for cutting and unexcelled for funeral work. As this bulb generally throws two to three flowers, it is a profitable variety to grow	.70	5.00	45.00
VON SION, the common Double Yellow Daffodil **Mother Bulbs.** (Jumbo Size.) The bulbs are extra large in size, and often give three to five flowers each.3 for 25c.	1.25	9.00	85.00
VON SION XXX Mammoth Double-Nosed Bulbs, largest and finest roots our growers can select. Each bulb will bring two or more flowers. Three for 25c	.85	6.50	62.00
VON SION, Fancy Selected Bulbs	.70	4.50	42.00

True Jonquils—Narcissus

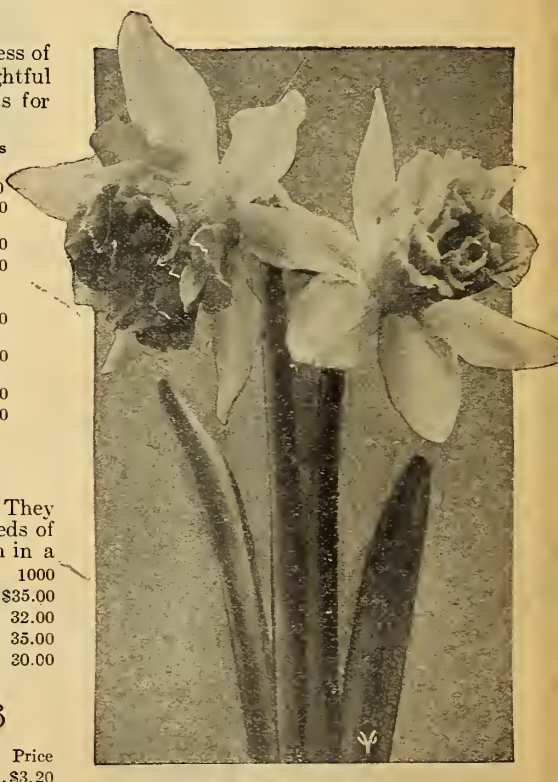
JONQUILS are noted for their graceful, sweet-scented flowers, in or out-of-doors. They thrive well in a moist, shady position in borders, and make splendid edgings to beds of some of the taller Narcissi. For indoor decoration three or four bulbs should be grown in a four or five inch pot. Add postage at zone rates. 12 bulbs 1lb; 100 7 lbs.

	Doz.	100	1000
Double. Fragrant. Rich golden yellow, fragrant flowers, usually two on a stem	$0.60	$4.00	$35.00
Campernelle. Large, for forcing or bedding. Very fragrant	.50	3.50	32.00
Rugulosus. Giant-flowered, wrinkled cup, fine for cut flowers, extra fine forcing	.60	4.00	35.00
Rugulosus Plenus. Double yellow flowers on tall graceful stems. Sweetly perfumed.	.50	3.25	30.00

Vaughan's "Amateur" Collections

These prices quoted do not include prepayment. Our selection of varieties.

		Price
Large Cupped Narcissus	14G—10 varieties; 6 of each (60 bulbs) postage extra, at zone rates	$3.20
	14H—10 varieties; 12 of each (120 bulbs) postoge extra, at zone rates	6.00
	14K—10 varieties; 25 of each (250 bulbs) by express	12.00



NARCISSUS VON SION
(Double Daffodil)

Miscellaneous Bulbs

For Autumn Planting

We have been obliged to drop many varieties of bulbs which we have offered in these columns in previous years because present U. S. Embargo No. 37 prevents importing. (Protest to your Congressman.)

The bulbs and roots here offered are chiefly American-grown except a few imported prior to June 1.

Amaryllis

Place the bulbs in damp moss in a temperature of 60 degrees and allow the flower shoot to appear before potting. The best soil is turfy loam and rotted manure. Water sparingly at first but give moderate bottom heat and increase the water as leaves appear. **If by Parcel Post add postage at Zone rates.**

BELLADONNA MAJOR. Fall bloomer, very free and fragrant. Flowers which are a lovely shell pink color, are borne on stems 2 to 2½ feet high.
Each, **35c**; per doz., **$3.50**; 100, **$25.00.**
(Mailing weight per doz., 6 lbs.; 2 bulbs, 2 lbs.)

VAUGHAN'S NEW HYBRIDS. One of the finest strains of Amaryllis we have yet seen, raised by an eminent grower whose entire stock we have purchased. Flowers are immense, borne mostly two and three to a stem, in an amazing and beautiful range of colors, blended, splashed and striped in a manner not seen in other strains.
Large 3-Inch Bulbs. Each, **60c**; doz., **$6.00**; 25 for **$10.00, both prepaid.**

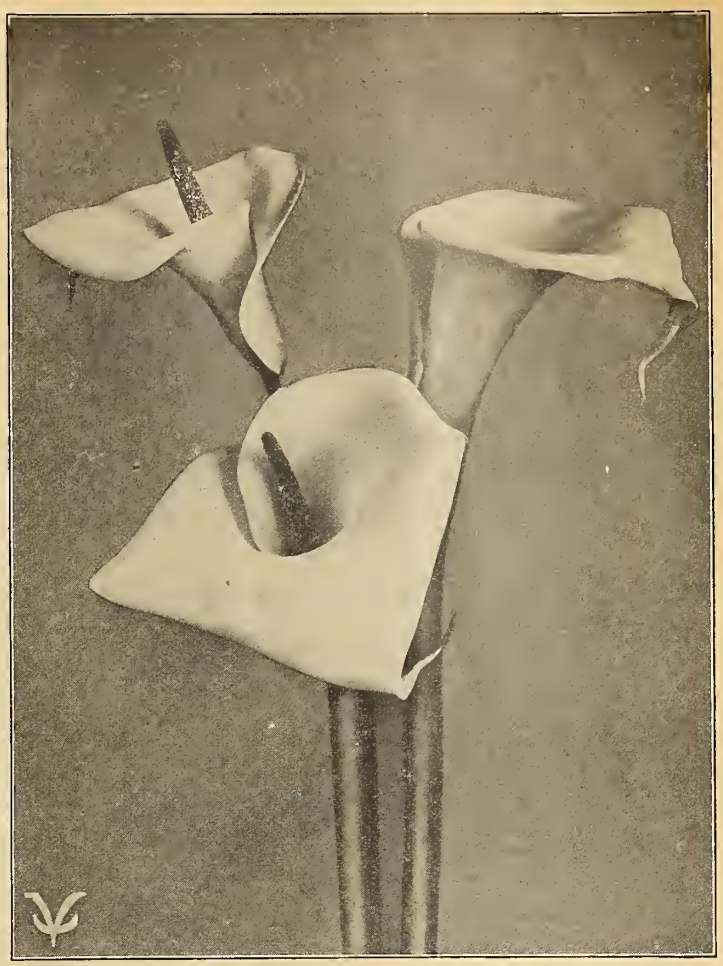
JOHNSONI. Has immense trumpet-shaped flowers, borne on strong fleshy stems, and are rich, deep velvety crimson, each segment having a broad white stripe, contrasting beautifully with the deep red color.
Large Bulbs. Each, **35c**; 3 for **$1.00**; doz., **$3.50.**
If by Parcel post, 3 bulbs weigh 2 lbs.

Anemone (Windflower)

The varieties offered below are charming hardy spring flowers, and are becoming better known and more popular as a garden flower. Both double and single are equally desirable, and no garden should be without them. They are suitable for pot or border culture, and when planted in masses are most effective. They succeed best in a light, rich, well drained loam. Plant in November. Covered with leaves, straw or long manure on the approach of winter. For pot culture, fill with any rich, porous compost, with good drainage, planting 4 roots in a 5-inch pot; place in a cold frame, or any moderately cool situation, giving very little water until the plants appear; then remove to the greenhouse or room. **If by Parcel post, 100 bulbs weigh 1 lb. Prices per dozen and 100 include postage.**

	Doz.	100	1000
Ceres. Double white suffused with rose	$0.50	$3.50	$30.00
Fulgens. The most brilliant and effective of all Anemones, dazzling vermilion-scarlet, with jet black center; excellent for cutting	.50	3.50	30.00
King of the Scarlets. Double bright scarlet	.50	3.50	30.00

AMARYLLIS—New Hybrids



CALLA LILY

Anemone (Windflower)—Continued

	Doz.	100	1000
King of the Blues. Double very fine blue	$0.50	$3.50	$30.00
White. (The Bride), single	.45	3.00	25.00
Single Mixed. All colors	.45	3.00	25.00
Double Mixed. All colors	.50	3.50	30.00

St. Brigid. A new and greatly improved race of Irish production, bearing magnificent flowers, double, semi-double and single, 3 to 5 inches across and of the richest as well as the daintiest colors, markings, blendings, all having a distinct dark base. They have long stems, very graceful for vases
Doz., **60c**; 100, **$4.50**; 1000, **$40.00.**

Calla (Richardia)

White Calla Lily. (Aethiopica). A well known plant of easy culture for winter bloom, and makes a handsome house or window plant. To aid profuse blooming keep dormant from the middle of June until the last of September; pot on receipt in good, rich soil, using 6 to 8-inch pot, give light and heat in abundance. Both foliage and flowers are attractive in this desirable winter bloomer. **If by PARCEL POST, add postage at Zone Rates.**

	Each	Doz.	100
First Size (1¼-1½ inch); weight, dozen, 1 lb.	$0.15	$1.30	$ 9.00
Select Size (1½-2 inch); weight, dozen, 2 lbs.	.20	2.00	15.00
Mammoth (2-2½ inch); weight, dozen, 3 lbs.	.25	2.60	20.00
Jumbo (2½ inch and up); scarce; weight, dozen, 5 lbs.	.35	3.50	25.00
Spotted Calla.. (Richardia Alba Maculata.) The leaves of this variety are deep green with numerous white spots, which give the plant a very ornamental appearance. The flowers are white with a black center; they grow freely either indoors or out Mailing weight, dozen, 2 lbs	.15	1 30	9.00
Yellow Calla. (Elliottiana). New and beautiful variety; same habit of growth as ordinary white Calla, flowers same size and shape, rich, clear, lustrous golden-yellow; foliage dark green, with translucent creamy spots, strong bulbs.	.20	2.00	15.00

Add 5c each for postage.

Calochortus or Mariposa Tulip

These famous California flowers possess much delicacy and brilliancy of coloring. They resemble a tulip in shape, and are of many colors, shades and markings. **Mixed**, doz., **50c**; 100, **$3.50**; **postpaid**; 1000, **$30.00.**

BONE MEAL is the safest fertilizer for all bulbs. Try it in your potting mixture, 2½ to 3 lbs. to the bushel. Price, 5 lbs., **40c**; 50 lbs., **$2.50**; 100 lbs., **$4.50.**

Vaughan's Crocus

Spring Flowering Varieties

ONE of the earliest flowers to open in Spring, the Crocus makes an effective show when planted in masses or where three or four rows are arranged in a border They are perfectly hardy and can be left in the ground for several years without being disturbed. An effective method of planting is to scatter them over the lawn by digging up a small piece of sod here and there and placing one or two bulbs in each spot. This give a pretty effect in early spring, and the tops can be cut along with the grass safely when first mowing is made. The large-flowering named varieties are ornamental when flowered in pots six or eight bulbs in 5-inch size. They will not flower if exposed to heat, nor must severe forcing be attempted. It is a mistake to plant Crocuses too deeply, an inch of covering being quite sufficient, anything deeper may cause them to fail to bloom.

Dozen price includes postage. 100 bulbs weigh 3 lbs.

Albion, blue, striped white.
Baron von Bruno, dark blue.
David Rizzio, deep purple.
Dandy, blue.
Non Plus Ultra, blue, bordered white.
Othello, dark purple.
Mont Blanc, pure white.
La Majesteuse, white, violet stripe.
Madam Mina, white striped.
Sir Walter Scott, white, blue stripe.
Mammoth White.
Cloth of Gold, yellow and brown.
Cloth of Silver, white and lilac.

Price of above, per doz., **45c;** 100, **$3.00;** 1000, **$25.00.**

	Doz.	100	1000
Select Yellow	$0.45	$3.00	$25.00
Mammoth Yellow	.35	3.50	30.00

SPECIAL OFFER 18 "W": 10 each of 10 varieties of above. (100 bulbs) Our Selection, postpaid, for $2.75.

Vaughan's "Pride of Holland" Strain

THIS is a special large flowered strain selected by one of our Dutch growers. They make larger bulbs and give larger blooms than ordinary named kinds, and are of special value for pot culture, the size of the blooms being very noticeable. We offer five colors. Please mention **"Pride of Holland"** strain when ordering.

Sir Walter Scott, white, blue striped.
Queen Victoria, pure white.
Mammoth Yellow.
David Rizzio.
King of Blues, fine blue.

Price, per doz., **60c;** 100, **$4.00;** 1000, **$35.00.**

Crocus—Vaughan's Special Mixture

WE make this mixture from named sorts only, adding a liberal amount of the mammoth "Pride of Holland" sorts. For planting outdoor in lawns, along borders or amongst shrubbery this mixture cannot be excelled.

Doz., **35c;** 100, **$2.50;** 1000, **$20.00.**

Unnamed Crocus, Separate Shades

THESE bulbs are of good size and will produce large flowers and are excellent for grass planting and borders.

	Doz.	100	1000
White **Blue and Purple** **Striped and Variegated** **Yellow,** large	$0.30	$2.00	$15.00

Dielytra Spectabilis (Bleeding Heart)

A VERY graceful pot-plant for greenhouse and room decoration, also for summer-flowering in shrubberies or shady borders. The elegant pendent branches are loaded with heart-shaped rosy crimson flowers, and furnished with graceful delicate green foliage. Height 1½ to 2 ft. Strong roots.

Each, 50c; 3 for $1.40; postage 5c extra. Per doz, $5.00. Dozen weigh 3 lbs.

Vaughan's Giant Freesias

THESE are well known for their delightful fragrance, the new colored ones which we offer, adding a new charm to the class. They should be potted in September and stood outside until the approach of frost, then taken inside to the conservatory or a sunny, airy window, where they will flower freely from January onwards. Plant early to secure good roots. **Dozen and 100 prices include postage.**

VAUGHAN'S PURITY. Flowers are of a magnificent snowy white, of very large size and great fragrance. One bulb will throw three to five flower-heads each of which will have from eight to nine buds of the finest type.

	Doz.	100	1000
Mammoth Bulbs	$0.50	$3.00	$25.00
Large Bulbs	.30	2.00	18.00

New French Freesias in Colors

LOVELY and unique colorings—bronze, lilac, yellow, etc., and shadings; very delicate fragrance. Each principal spike usually carries 7 to 9 flowers—while the side spikes usually bear 5 to 6 flowers. The culture is the same as above.

	Doz.	100	1000
Separate Colors	$1.25	$8.00	$75.00
Mixed	1.00	7.00	65.00

Vaughan's Gladioli

AMERICAN GROWN, FOR GROWING UNDER GLASS AND OUTDOORS IN SOUTHERN STATES

FOR grace and beauty Gladiolus cannot be excelled. They can be grown in cool conservatories or dwelling houses during the winter for flowering from March till May, but they are a hardy bulb in southern states and may be planted outdoors in the late fall, 4 to 6 inches deep, if protected with at least a covering of from 4 to 6 inches of leaves or dry manure; this protection must be removed early in the spring.

For Indoor Culture place 3 or 4 bulbs in a 7 or 8-inch pot or one bulb in a 5 or 6-inch pot, and place underneath the Greenhouse bench or in a cool, airy cellar, watering occasionally until growth commences. Remove then to the Greenhouse bench or light, airy window. Temperature, 50 to 55 degrees F.

Bulbs can also be started in and grown altogether in the Greenhouse benches. By starting in January and February, flowers can be had in late April and May, long before the outdoor ones are in bloom. **Caution**—Give moderate heat only.

Delivery. Bulbs will be ready from December on.

America—The finest pink, either as a cut-flower or use in home decoration, **Easy forcer.**

Chicago White—Pure white with faint lavender streaks in the lower petals, earliest white.

Halley—Very early bloomer. Delicate salmon-pink; a pale ground showing at the throat, which is marked with small, red stripes.

Mrs. Francis King—Strong, robust grower and one of the best for indoors; a vermilion scarlet; spikes very decorative.

Mrs. Frank Pendleton—Pinkish white, but with each flower strikingly marked with a rich maroon blotch on the three lower petals.

VAUGHAN'S GIANT FREESIAS

HARDY IRIS

ONE of the easiest bulbs to grow, one of the most beautiful flowers of our late Spring Gardens and in our opinion one of the cleanest, disease-free and disease-resisting plants that we know of are the Irises, both Spanish and English, which we annually imported for the past thirty years or more. We must now do without them.

The investigators of the Federal Horticultural Board tell us that we must not have them any more and have included them in their list of bulbs upon which they have put an embargo. We must, therefore, fall back upon the Hardy Flag Iris of which we, for many years, have been carefully gathering together a collection that would be hard to surpass in the United States. We are particularly delighted at this time to be able to offer these to our many friends.

Their wonderful range of colors, their extreme hardiness, their easy culture and rapid multiplication make them particularly desirable for the hardy garden and we call the reader's attention to pages 25 and 26 of this catalogue on which will be found a descriptive list of named varieties comprising altogether a collection that would be hard to beat.

We also have in great quantities for naturalizing and large plantations a very select mixture made up chiefly of what we have discarded as old varieties to make room for the latest introductions which we have recently added to the list. We urge all those who have been in the habit of buying the Spanish and the English and other bulbous Irises to plant these instead.

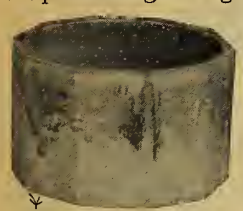
HARDY FLAG IRISES

Trillium Grandiflorum

NATIVE WOOD LILY. Flowers pure white, turning in a few days to a soft rose. Very hardy. (12 in.) **Price, per doz., $1.50; per 100, $10.00 (postpaid); per 1000, $65.00.**

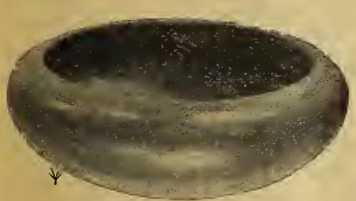
Bulb Bowls for Chinese Lilies and Other Bulbs

THESE **"Zasco"** earthenware bowls are made of hard-fired potttery: with a mat-gray body in over-run glazes of highly, harmonizing colors. They are absolutely non-pourous and therefore will not damage furniture or other household articles through moisture permeating through. They are perfectly adapted to indoor bulb culture either for growing Paper White Narcissi and Chinese Lilies in gravel and water, or numerous bulbs that can be grown in our Prepared Fiber, (see bottom next column). They come in two styles.



F. L. Style (Round)

Diam.	Weight packed	Each	3 for
6-inch..	2 lbs.	$0.40	$1.10
8-inch..	3 lbs.	.70	1.95



Style 30 (Octagonal)

Diam.	Weight packed	Each	3 for
5-inch..	2 lbs.	$0.35	$1.00
6-inch..	2 lbs.	.50	1.40

5-inch (Plain Colors, Green, Red or Blue) **Each 35c; 3 for 85c** (weight, 1 lb.)

GRAVEL, such as is used for above, **5 lbs., 20c; 10 lbs., 35c; per lb., 5c.**

Vaughan's Seed Store, Chicago, Ill.

My Tulips have been superb this year, and I heard from many of my customers that my flowers far surpassed anything in New Haven and Waterbury.

Miss. N. C. Smith, Cheshire, Conn.

Vaughan's Seed Store, Chicago, Ill.

The collections of Tulips and Jonquils sent me last fall were planted and are now in gorgeous bloom. I shall probably want goodly collections of same next fall again.

Dr. Chas. M. Buchanan, Tulalip, Wash.

RANUNCULUS—Turban

Ranunculus (Buttercup)

NOTHING produces a brighter or more gorgeous effect in June and July than beds of Ranunculus; the flowers are all good for cutting, and the culture is very simple. They thrive in any ordinary garden soil, but should have protection in spring from the late frosts and sharp winds. Plant outside latter end of March or early April, as soon as frost is out of the ground, or earlier in hot bed if desired for early cutting. Plant in November for early spring bloom in frames. Set the tubers 3 or 4 inches apart, pressing them firmly into the soil, **claws downwards,** and cover them with sand, then with soil; keep the crown of the tuber two inches under the surface. During dry weather the plants should be given abundance of water.

Prices Include Postage.

PERSIAN, Fireball. Vermillion. Per doz., **45c;** per 100, **$3.00;** per 1000, **$25.00.**

Hector. White pointed brown. Per doz., **45c;** per 100, **$3.00;** per 1000, **$25.00.**

Mont Blanc. Pure white. Per doz., **45c;** per 100, **$3.00;** per per 1000 **$25.00.**

Zwarte Konig. Black. Doz., **50c;** per 100, **$3.50;** per 1000, **$30.00.**

Mixed. All colors. Doz., **45c;** per 100, **$3.00;** per 1000, 525.00.

FRENCH, Princess Alice. Yellowish white Per doz., **45c;** per 100, **$3.00;** per 100, **$25.00.**

Radetsky. Fine scarlet. Doz., **45c;** per 100, **$3.00;** 1000 **$25.00.**

Sulphurex. Light brown. Per doz., **45c;** per 100, **$3.00;** per 1000, **$25.00.**

Mixed. All colors. Doz., **49c;** per 100, **$3.00;** per 1000, **$25.00.**

TURBAN. Hercules. Pure white. Per doz., **50c;** per 100. **$3.50;** per 1000, **$30.00.**

Merveilleuse. Orange-yellow. Doz.,**45c;** 100, **$3.00;** 1000. **$25.00.**

Romano. Scarlet. Doz,, **50c;** per 100, **$3.50;** per 1000, **$30.00,**

Mixed. All colors. Doz.,**45c;** per 100, **$3.00;** per 1000, **$25.00.**

Fiber for Growing Bulbs in Vases, Bowls, Etc.

(Without Drainage.)

For those who have neither a garden, or the conveniences of greenhouses, or have a difficulty in obtaining suitable soil, we would recommend this system of culture. Any receptacle may be used for the purpose provided it is non-pourous.

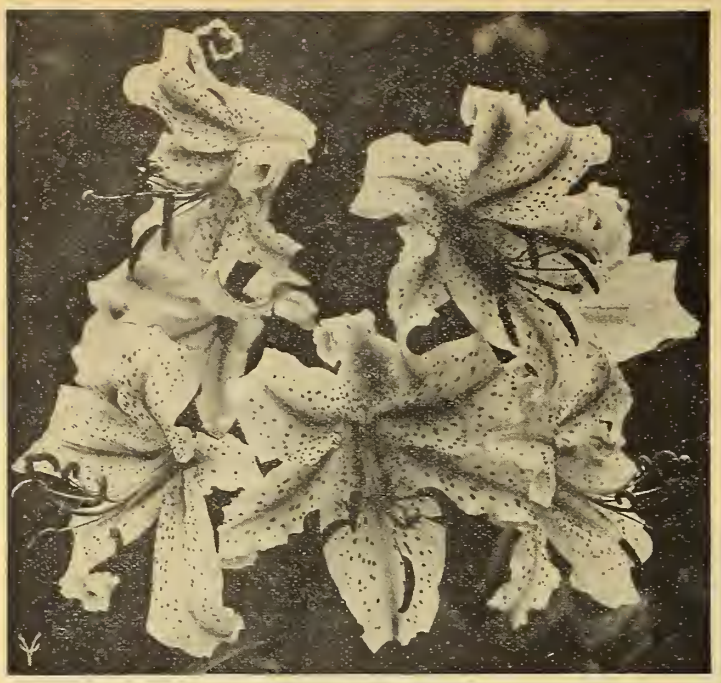
CULTURAL INSTRUCTIONS—The bnlbs are potted the same way as in ordipary soil. **It is not necessary** or **desirable** to press the fibre **tightly,** otherwise the roots do not work freely, and bulbs have a tendency to push themselves upwards. Once potted they require hardly any attention, only **great** care should be taken to keep the compost moist, but on no account must it be **sodden or too wet.**

If **once** allowed to become dry, even for half a day only, the pores of the roots close up and the bulbs in many cases go blind and are ruined.

When the bulbs have been potted, vases or jars should be kept in a **dark, airy** cellar or room.

When the bulbs have grown about one inch, they should be brought into more light, and the vases or bowls can be placed in the window, taking care, of course, to keep them from frost. **Per qt., 10c; peck, 50c; bushel, $1.50.**

Parcel Post rates are given on inside of front cover and on order sheet.



LILIUM AURATUM

VAUGHAN'S

FOR color, fragrance beauty and variety of form, nothing can equal these grand flowers; whether grown in pots or grouped in the hardy plant border, where their hardiness makes them so desirable they are always an object of beauty, and by judicious selection one can have a continuous bloom from early summer until fall.

Note.—Most Lily Bulbs, being of late maturity, are not ready before October and November (the best time to plant them). Where the ground is liable to freeze up before the late lilies arrive, it should be mulched with six or eight inches of leaves or manure so the bulbs may be planted on arrival.

Lilium Harrisii and Candidum are ready now, **all others in November.**

Free pamphlet, "Naturalizing Lillies," ask for it with order.

Out door culture.—When planting Lilies out of doors, see that they have a well drained position, and where they will be shaded from every hot sun. Such places can usually be found around the shrub borders, and in the hardy plant border. Many varieties are termed "stemrooters" that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely. *(Continued top of page 19).*

Lilium Longiflorum Giganteum— (Japanese Easter Lily) Best grown indoors

Best of all lilies **for indoor pot culture;** bulbs planted when received, can be readily brought into bloom by Easter if kept in a warm room or greenhouse. Flowers are large trumpet-shape, pure white in color and of a delicious fragrance. Being perfectly hardy (if given a little protection), it is splendid for outdoor planting.

	Each	Doz.	100
Select Size (7 to 9 inches)	$0.30	$3.25	$25.00
Mammoth Size (9 to 10 inches)	.50	5.00	35.00

Lilium Auratum

The Gold-banded Lily of Japan

The most beautiful variety of all the Lily family; should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. A splendid lily for pots, or for planting out in the shrub or plant borders. In either way it is very handsome, its large flowers and delicious perfume make it one of the most valuable of all. It is perfectly hardy with ordinary protection and suitable soil. **First Size** (8 to 9 inches), each, **30c;** doz., **$3.25.**
Mammoth (9 to 11 inches), each, **50c;** doz., **$5.00.**

Auratum Platyphyllum

This is without a question one of the most wonderful Lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted but much larger, the petals more overlapping, and of greater substance. **First Size** (8 to 10 inches), each, **60c;** doz., **$6.50.**

Lilium Auratum Rubro-Vittatum

A beautiful distinct and imposing Lily of the Auratum type, producing flowers quite as large as the golden-rayed variety, but instead of the golden rays there is down the center of each long recurved petal a heavy band of crimson, accompanied by crimson spots on a pure white ground.
First Size (8 to 10 inches), each, **60c;** doz., **$6.50.**

Lily of the Valley

For winter forcing. Very fragrant and producing in abundance. Plant about 25 pips in a 7-in. pot or pan, place in a warm temperature, 65° F., and shade from light until leaves and spikes are well developed then admit light gradually. Increase temperature to 75° or 80° if possible. An inverted pot over each potful answers admirably. This is the treatment for cold storage pips only. They bloom in from 18 to 21 days.

VAUGHAN'S PERFECTION PIPS (Ready in November).
Cold Storage, Doz., **$1.50;** 100, **$10.00. Fresh Pips** Doz., **$1.00;** 100, **$6.00.**

Large Clumps. For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors, as they give a quicker and better effect at less cost. Each, **50c** (postage extra); doz., **$5.50;** 100, **$42.00.**

Average weight of each clump is 3 lbs. Postage extra, as per rates on inside of front cover.

Lilium Candidum

(Madonna or Annunciation Lily). **See Cut Opposite Page 19**

This is one of the oldest, loveliest and best known Lilies. Can only be planted in fall, ours is the thick petaled type, imported by us from Northern France. The flowers, of which there are three to twenty on each stem, are snow-white, with heavy yellow stamens and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th. Orders, should, therefore, be mailed on receipt of this Catalogue.

	Each	Doz.	100
Select Size	$0.25	$2.50	$18.00
Mammoth Size	.35	3.50	25.00

Vaughan's Lily Bulbs are grown by

Experienced Dependable Growers

Washington, D. C.,
Vaughan's Seed Store, New York.

Gentlemen—The order recently placed with you for Narcissi Bulbs reached me in splendid condition, and were as fine as I have ever seen.

Respectfully,
Chas. H. Simmons.

We give away a FREE pamphlet on "Naturalizing Lilies" with each Lily order when asked for

LILY BULBS

Spade over the ground thoroughly to a depth of 18 inches before planting Lilies and enrich it by adding equal portions of leafmould, peat and rotten manure. Plant the bulbs 4 to 6 inches deep putting some sand under and around the bulbs, and after covering protect with six or eight inches of leaves or other litter, which must be removed in late Spring.

April planting is advisable, if prevented planting the previous fall.

Indoor Culture.—Lilies should be potted immediately upon receipt, if intended for growing in pots or for forcing. In potting use a compost of fibrous loam and sweet decomposed leaf soil, with plenty of coarse sand or a mixture of good peat, loam, and sand, adding to the compost a few pieces of charcoal. See that the pot is well drained The bulb should be set about half-way down in the pot and barely covered with soil, thus leaving room to top dress and fill the pot with more soil when stem-roots appear above the bulb. After potting, give a thorough watering and set outside in a cold frame or shady situation, then cover with ashes or long straw. After they have stood from three weeks to a month and thoroughly rooted, bring inside, in a temperature of about 66°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench. An occasional application of liquid cow manure, starting about six weeks before flowering time will stimulate the plant wonderfully. **Thorough rooting is essential. Lily Bulbs by Parcel Post. For postage Zone rates see inside front cover.**

Size	3 Bulbs Weigh	Dozen Weigh
8- 9 in	½ lb.	4- 5 lbs.
9-11 in	1½-2 lbs.	6- 7 lbs.
11-13 in	2-3 lbs.	9-10 lbs.

LILIUM SPECIOSUM RUBRUM

Lilium Speciosum—Lance-leaved Lily

These lilies are probably the most popular of all, succeeding equally well in open border or in pots. When fully open, the petals recurve gracefully on the flower stem, exposing the beautiful rose and crimson markings, which characterize the **Rubrum and Melpomene** types.

Album—Pure white	Each	Per Doz.	Per 100
First Size (8-9 in.)	$0.40	$4.00	$30.00
Mammoth (9-11 in.)	.50	5.50	40.00

Rubrum—White, spotted and rayed rosy red. We consider this the most satisfactory of the Speciosum class.	Each	Per Doz.	Per 100
First Size (8-9 in.)	$0.30	$3.25	$25.00
Mammoth (9-11 in.)	.50	5.50	35.00
Melpomene— White, spotted and splashed deep crimson.			
First Size (8-9 in.)	.30	3.25	25.00
Mammoth (9-11 in.)	.50	5.50	35.00

Lilium Myriophyllum (New)

A new and very rare lily from China. The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. A strong grower, some 3 or 4 feet high. It is deliciously scented, and its extreme hardiness makes it a valuable lily for out door planting. Each, **$1.00**; per doz., **$10.00**

Various Hardy Lilies

"Each" and "dozen" prices include postage

	Each	Per Doz.	Per 100
Brownii. Immense handsome trumpet-shaped flowers, 8 to 10 inches long. Pure white inside brownish fawn outside. Blooms in July	$0.50	$5.50	$40.00
Canadense.—(Meadow Lily.) Gracefully drooping, bell-shaped, red and yellow flowers typical of our northern meadows	.20	2.00	12.00
Candidum—See page 18.			
Hansoni. Flowers reddish orange, 8 to 12 in a cluster; petals thick and durable	.75	7.50	.....
Henryi. A new, rare, and very beautiful Lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; apricot spotted brown	.75	7.50	.....
Elegans Leonard Joerg. Rich apricot, spotted	.20	2.00	12.00
Elegans Robustum. Orange spotted maroon	.20	2.00	12.00
Elegans Mixed. A splendid assortment of this type	.20	2.00	12.00
Krameri. Delicate rose pink of elegant outline and graceful habit. Blooms in July	.40	4.00	30.00
Pardalinum—(Leopard Lily). Rich scarlet and yellow, spotted rich brown	.20	2.00	12.00
Superbum. The finest of the native Lilies. Flowers bright orange, spotted purple	.20	2.00	12.00
Tennuifolium—(Siberian Lily). A native of Siberia; one of the very hardiest Lilies; flowers vivid scarlet, with petals reflexed; blooms early in spring	.20	2.00	15.00
Tigrinum Splendens. Very hardy native Lily; orange, spotted purple	.20	2.00	15.00
Tigrinum Flore Pleno—(Double Tiger Lily). The well known double Tiger Lily. Rich orange blossoms, 4 foot	.20	2.00	15.00
Tigrinum Fortunei—(Improved Tiger Lily). Bulbs will produce more flowers than the ordinary variety	.25	2.50	18.00
Umbellatum. Colors range from deepest red through all shades of crimson, rose, yellow, buff and apricot	.20	2.00	15.00

We supply 6 bulbs of a kind at dozen rate, 25 at 100 rate, and 250 at 1000 rate.

ANNUALS

FOR FALL PLANTING

One pkt. each, 8 varieties **50c**; or they may be purchased separately at prices attached.

Late last Fall we planted in our Nursery at Western Springs, Ill., seeds of a few hardy annuals to discover what varieties would give the best results in this latitude. Early in June of this year, before the Annuals which were planted this Spring were in bloom, the following from fall-sown seed were in bud and full flower:

	Pkt.
Antirrhinum, Vaughan's Special Mixture	$0.15
Brachycome Iberidifolia, (Swan River Daisy) **Mixed**	.05
Candytuft, Giant Hyacinth-flowered White	.10
Calendula, Orange King	.05
Calliopsis Drummondi, Golden Wave	.05
Centaurea Cyanus (Double Blue Cornflower)	.10
Delphinium, Double Emperor Mixed	.05
Hunnemannia Fumariaefolia (Bush Escholtzia)	.10

PANSY—Vaughan's International Mixture

PANSIES

Vaughan's Giant Mixture

Includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals.

⅛ oz., **$1.00.**
Large pkt. (250 seeds), **25c.**
Small pkt. (125 seeds), **15c.**

Vaughan's International Mixture

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and one which we maintain most carefully, not alone as to quality, but in vitality and germination.

Price, 5 pkts., **$1.00**; 3 pkts., **65c**; per pkt. (250 seeds), **25c**; ⅛ oz., **$1.75.**

Victory Collections

GIANT PANSIES

1 packet each, Ruby Red, Pure White, Violet Blue. Prepaid, **35c.**

2535 **Red, White** and **Blue,** Mixed, **Pkt., 20c.**

SWEET PEAS

10 Best Sweet Peas

Price, One (regular size) packet of each, **10 for 50 cents,** postpaid. If bought separately would cost $1.00.

We cannot make any change in varieties.

White—**Constance Hinton**
Pink—**Hercules**
Light Blue—**Margaret Madison**
Picotee Edged—**Blue Picotee**
Light Pink—**Margaret Atlee**
Bicolor—**Blanche Ferry**
Salmon—**Barbara**
Purple—**Royal Purple**
Military Red—**Fiery Cross**
Chocolate—**Nubian**

Victory Collections — **Spencer Sweet Peas**

No. 1 1 pkt. each **King Edward VII.** (Red), **Constance Hinton** (White), **Flora Norton** (Blue), prepaid for **20c**

No. 2 1 pkt. each, **Vermilion Brilliant** (Red), **King White** (White), **Captain of the Blues** (Blue) prepaid for **20c**

No. 3 Mixed Red, White and Blue oz. **30c**; pkt. **10c**

Early Flowering Long Season Spencer

THE happy possessor of a greenhouse may plant these at once inside for blooming in midwinter, and the owner of a garden may plant these in late November or early December in the open ground, just before the ground is frozen, so that germination may take place early in the Spring before the ground is usually in condition to be worked. Sweet Peas planted in the fall produce a better root growth, and these early-flowering varieties bloom before the warm weather overtakes them in midsummer.

	Pkt.	Oz.
Asta Ohn. Identical in color and size of blossom to the popular late flowering Asta Ohn. This is sure to be the most popular lavender	$0.15	$1.00
Bohemian Girl. Deep pink, standard orange blush	.15	.80
Columbia. This is the most profitable pink and white winter-flowering Sweet Pea. While it is not quite as early as the "Pink and White" (below) it produces 50 per cent more flowers, a fact which every grower appreciates	.35	2.00
Cream. Identical in color and size of blossom to Dobbie's Cream. It has immense blossoms very frilled and duplexed	.15	.80
Heather Bell. The color is a rich but pleasing mauve, but after standing in water the color becomes a beautiful mauve lavender	.15	.90
Helen Lewis. Very fine shade of salmon pink	.15	1.00
Hercules. Of the same lovely shade of pink as Countess Spencer. Long stem and a free producer	.15	1.00
Liberty. Brilliant red	.15	.90
Melody. This is a deeper shade of pink than "Early Song Bird" on white ground, closely resembling Countess Spencer	.15	.90
Miss Louise Gude. Flowers large shell pink	.15	.90
Morning Star. Deep orange scarlet or flame color in standard, with rich orange pink wings. Under glass it is magnificent	.15	1.00
Mrs. A. A. Skaach. Flowers bright shell pink. Sow in late fall and winter for spring blooming	$0.15	$0.90
Mrs. M. Spanolin. Black-seeded white	.15	.90
Mrs. William Sim. Apricot pink	.15	.90
Mrs. C. A. Zvolanek. Clear lavender	.15	1.00
Pink and White. Blanche Ferry type, extra	.15	.80
President Woodrow Wilson. Magenta rose	.15	.80
Rose Queen. A splendid pink, Sow in summer for winter blooming	.15	1.00
Song Bird. The flower is the light pink on buff ground	.15	.80
Songster. Giant early lavender	.15	1.00
Spring Maid. Light pink on a cream ground. It is a most effective flower and carries a great wealth of blossoms borne in fours on long stems	.15	.90
Snow Flake. This is the best early-flowering white seeded Spencer. The blossoms are very large and of the best waved Spencer form. The flowers are borne in wonderful profusion on long stems	.15	1.00
The Beauty. Dark fiery rose	.15	.90
Venus. Standard white, slightly blushed pink wings	.15	.80
Warbler. Rich mauve purple	.15	1.00
Wedgewood. Identical in color and size of blossom to the late flowering Wedgewood, and is a magnificent clear blue	.15	1.00
White Orchid. White flowers of good substance	.15	.90
Yarrawa. The color on opening is rose, changing as the flower develops to a light pink standard, tinted buff with blush wings	.15	.80
Zvolanek's Blue. Very large, bright blue	.15	.90
MIXED. Winter Flowering Spencers, many kinds	.15	.70

CROTON

Decorative Plants

FOR HOUSE AND CONSERVATORY

DRACAENA MASSANGEANA

THESE make excellent presents for birthdays, holidays, etc. Customers who wish to have any of these plants shipped or delivered may depend on getting choice plants. We shall be glad to attach cards if desired.

Besides the sizes we list, we have choice and larger plants, ranging in prices from **$2.00; $3.00, $5.00** and up to **$30.00** in some varieties.

Unless instructed to the contrary, all orders are forwarded by express at buyer's expense.

Plants by Mail. Small plants, **when ordered at the "each" price,** will be sent by mail when so desired, and it is practicable, the soil being entirely or partly removed and the roots carefully wrapped in damp moss. Small orders, accompanied by extra money for postage, will be sent by mail if so instructed; a list of postal rates for the different zones will be found on inside of front cover. Bulky plants such as large Roses, Shrubs, etc., we send by express only.

Plants by Express. We strongly urge this method of transportation, as it enables us to give better values in larger and finer plants and they will arrive in a more satisfactory condition. We add extra plants to help defray express charges.

Plants by Rail. Trees, Shrubs and other dormant stock can be forwarded safely by fast freight lines, even to very distant points, at low rates.

CALADIUM

DRACAENA TERMINALIS

Safe Arrival Guaranteed. We guarantee the safe arrival of all plants to any point in the U. S. A. or Canada when sent **by express.** If forwarded in any other manner they are entirely at the risk of the purchaser.

Important. All orders are shipped as soon as possible upon receipt. If instructions accompany the order, we will reserve plants for future shipment. This applies especially to plants ordered during freezing weather.

ASPARAGUS Plumosus (Lace Fern.) Fine for table decoration. 2½ inch **each 20c; doz. $2.00;** 4 inch **each 35c; doz. $3.60.**

Sprengeri. Suitable for hanging baskets and porch boxes. 2½ in. pots, **each 20c; doz. $2.00.** 4 in. pots, **each 35c; doz. $3.60.**

AUCUBA Japonica Variegata (Gold Dust Plant.) A valuable decorative plant worthy of more attention. Much prized for hall or porch decoration. 15 to 18 in. high, **each, $1.00; 3 for $2.75;** 24 to 30 in. high, **each $2.00; 3 for $5.50.** If wanted in tubs add **50c** to the above prices.

ASPIDISTA (Iron Plant). Is the easiest of all decorative plants to grow well. Give it a good loamy soil and plenty of water and it will grow for any one. Green leaved. 10x12 in., wide tubs **$10.00** to **$15.00** each.

CALADIUMS, Fancy Leaved. Named varieties for conservatories or planting outside in partially shaded borders when ground is warm. Dormant bulbs, ready in January, **each 40 cents; doz. $4.20, postpaid.**

CHRYSANTHEMUMS. Bush plants in bloom, ready for delivery from October 20th to November 20th, in all colors. **75c; $1.00; $1.50; $2.50; $4.00** and **$5.00 each.**

CROTONS. The richest of all variegated plants, fine for indoor culture. Plants, **each 50 cents; specimens, each $1.00, $1.50, $2.00 and $3.00 (by express).**

CYCAS (Sago Palm). Plants in leaf, **$1.00 to $3.00.**

CYCLAMEN, Dark Crimson, Dark Rose, White and Pink. 4 in pots, **each 50c;** 5 in. pots, **each $1.00;** 6 in. pots, **$1.50 to $2.00 each (by express).**

DIEFFENBACHIA Magnifica (Shining Comb.) Green foliage, variegated with white. **Each, 50c to $1.00.**

DRACAENA Imperialis. Robust growing dark green foliage with bright pink shadings and edgings in the young growth. **Each, 75c to $3.00.**

Fragrans. An excellent house plant with broad dark green foliage, grows under the most adverse conditions. **Each, 75c to $2.00.**

Massangeana. A beautiful variegated form of Fragrans with broad green foliage, broad golden yellow band through the center of each leaf. **Each, $1.50 to $2.50.**

Terminalis. Rich crimson foliage, marked with pink and white. **Each, 50c to $1.00.**

FERNS, Boston. Long, gracefully drooping fronds which frequently attain a length of six feet. Called by many the Fountain Fern. Deserves wide use as a house plant for tables or pedestals. **20 cents each; 3 for 50 cents, postpaid.** Larger plants, **50 cents, 75 cents, $1.25 each.** Specimens, **$3.00 to $6.00. All by express.**

Cyrtomium Rochfordianum (Holly Fern). Withstands varying temperatures, making it a useful house plant. 4 in. pots. **Each 40c.**

Nephrolepis Whitmani (Ostrich Plume Fern). Finely divided fronds, resembling a plume. **20 cents each; 3 for 50 cents, postpaid.** Larger plants, **75 cents and $1.25 each (express).**

Adiantum Hybridum (Maiden Hair). **Each 20c; 3 for 50c, postpaid.**

Small Ferns for Dishes. We sell thousands of these handsome ferns, dwarf in habit, for fern dishes. **15c each; 10 for $1.25 postpaid.**

FICUS Elastica (Rubber Tree). Well-known reliable plant for rooms and halls. Strong plants, **$1.00 to $1.50 each, by express.**

FICUS Repens. A trailing or creeping variety with small foliage; useful for baskets. Small plants, **each 20 cents; 3 for 50 cents postpaid.** Larger plants, **each 35 cents. (Express.)**

LEMON VERBENA. Indispensable for the delightful fragrance of its leaves. **Each, 15c; doz., $1.50.**

PANDANUS Veitchii. Variegated green and white. **$1.00, $2.00 and $3.00 each. (Exp.)**

BOSTON FERN

PRIMULA Obconica. No other winter flowering plant can approach this beautiful Primula. The colors are perfectly clear and of great brilliancy pure white, enchantress-pink, clear rose and brilliant carmine.
2½ in. pots, **each, 20c; doz., $2.00.**
4 in. pots, **each, 40c; doz., $4.20.**

PEPPER
Birdseye, 4 in., **each, 50c.**
5 in., **each, 75c.**
Cluster, 4 in., **each, 50c.**
5 in., **each, 75c.**

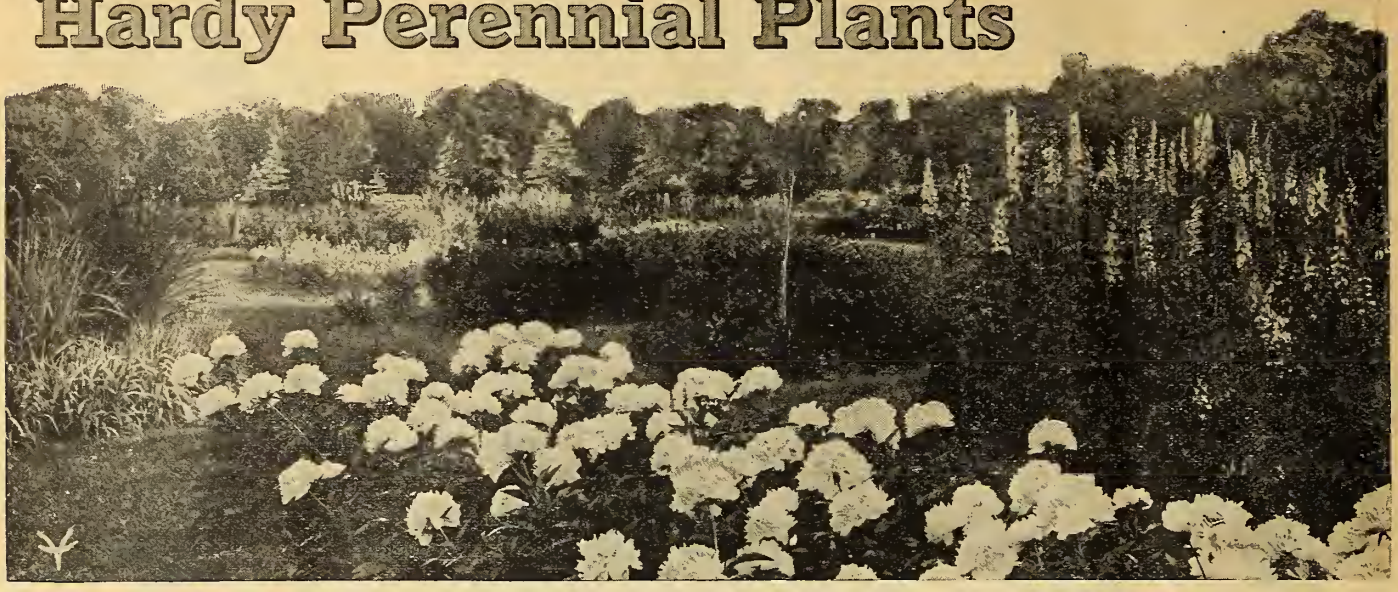
SOLANUM
Cleveland (New) 4 in., **each, 50c.**
5 in., **each, 75c.**
Melvini, 4 in., **each, 50c.**
5 in., **each, 75c.**

SCILLA Maritima (Sea Onion.) An ornamental plant, the scaly layers of the bulbs being used for making Syrup of Squills. **Each, 25c and 35c.**

TRADESCANTIA Tricolor. (Wandering Jew). Most beautifully variegated purple, scarlet and white. **Each, 15c; doz., $1.50.**

SANSEVIERIA Zeylanica. An elegant variegated plant especially adapted for house decoration, the thick, leathery leaves standing the heat and dust of the house with impunity. **Each, 35c to 75c.**

Hardy Perennial Plants



Vaughan's Special Offer of Hardy Plants in Variety

The plants in the following collections will be of the most desirable varieties and of the best quality, but in every instance the selection of varieties will be our own.

We cannot furnish list of varieties in these collections but will send out everything labeled.

No. 21—	Hardy Plants	25	first class plants in variety for				$ 3.00
No. 22—	" "	50	" " "				5 00
No. 23—	" "	100	" " "				9 50
No. 24—	" "	250	" " "				23 00
No. 25—	" "	500	" " "				45 00
No. 26—	" "	1000	" " "				85 00

Plants and Bulbs for Spring Effect

All the varieties of plants marked thus § in the following lists are especially desirable for **planting in the fall** with bulbs—more particularly with Daffodils, and Darwin and Cottage Tulips. The majority are of dwarf habit, perfectly hardy and produce striking effects as edgings or carpeting to beds or borders where bulbs are planted

Parcel Post

The following are the approximate weights of plants which can be sent by Parcel Post. Parcel Post rates are given on inside of front cover, and on order sheet of this catalog. Please add postage at zone rates.

	3 Plants	6 Plants
Plants, in 2½-inch paper pots	1 lb.	2-3 lbs.
Plants, in 4-inch paper pots	3-4 "	7-8 "
Perennial Plants, (Paper wrapped)	1½-2 "	3-4 "

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	100	Use, Soil, Position, Etc.
ACHILLEA	Milfoil Yarrow.							
Eupatorium, Parker's Variety		June-Aug.	Yellow	4-5 ft.	30c	$3.00	$15.00	Achilleas are of easy culture and grow in any good garden soil. They are useful for the border, wild garden or shrubbery; also for cutting. Perry's White is a new variety and is the best of its class.
Ptarmica, Boule de Neige (Ball of Snow)		June-Aug.	White	2 ft.	30c	2.00	15.00	
Perry's White (New)		June-Aug.	White	2 ft.	30c	2.00	15.00	
The Pearl		June-Aug.	White	2 ft.	30c	2.00	15.00	
ACONITUM	Monkshood							
Spark's Variety		Sept-Oct.	Dark Blue	5 ft.	35c	3.60	20.00	Erect growing plants, with palmately divided foliage good for under trees or shady places, where they thrive best. The roots are poisonous. Spark's variety is a rare plant and darkest of all.
ALYSSUM	Madwort							
Saxatile Compactum	Gold Dust	May-June	Golden Yellow	1 ft.	30c	3.00	15.00	Showy spring-flowering plants. Valuable for front row in border or rock garden.
ANCHUSA	Alkanet							
Italica, Dropmore Variety		May-June	Blue	5-6 ft.	35c	3.60	20.00	Forget-Me-Not like, blue flowers, borne in great profusion. One of the best blue perennials, coming into bloom before the Delphinums, and continuing in flower throughout the summer.
Opal		May-June	Pale Blue	3 to 4 ft.	35c	3.60	20.00	
ANTHEMIS	Marguerite							
Kelwayi		May-July	Yellow	1 ft.	30c	3.00	15.00	These Hardy Marguerites are most satisfactory perennials, succeeding in the poorest soil. The flowers are yellow.
AQUILEGIA	Columbine.							
Canadensis		June-Aug.	Red and Yellow	2 ft.	30c	3.00	15.00	The Columbine is one of the most beautiful hardy perennials producing graceful spurred flowers on 2-foot stems. They are much prized for cut flower purposes making dainty decorations. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation. Our Long-Spurred mixed are selected from the very finest kinds, their colors vary considerably, but all are choice, free in habit and great value for massing, and with their long stems are splendid for cutting.
Chrysantha		June-Aug.	Golden Yellow	3 ft.	30c	3.00	15.00	
Chryantha Alba		June-Aug.	Pure White	3 ft.	30c	3.00	15.00	
Coerulea		June-Aug.	True Blue	1 ft.	35c	3.60	.....	
Hybrida		June-Aug.	Mixed	1 ft.	30c	3.00	15.00	
Rose Queen		June-Aug.	Beautiful Pink	1 to 1½ ft.	30c	3.00	15.00	
Vaughan's Long Spurred Mixed		June-Aug.	Mixed	1½ to 2 ft.	35c	3.60	20.00	
Vaughan's Special Mixture		June-Aug.	Mixed	1½ to 2 ft.	35c	3.60	20.00	
ARABIS								
Alpina Flore Pleno	Rock Cress	April-May	Double White	6 in.	35c	3.60	.....	Arabis thrives well in a hot, dry situation and makes a good covering for walls or rock garden, also front row in hardy border. and can be planted in beds filled with Hyacinths and Tulips in Fall.
ARMERIA	Thrift, Sea Pink							
Laucheana		May	Rose	6 in.	30c	3.00	15.00	A good plant for front of border, graves or rockery. Dwarf, compact, evergreen foliage. Excellent for cutting.
ARTEMISIA								
Abrotaunum	Old Man			18 in.	30c	3.00	15.00	A useful class of plants either for the perennial border or the shrubbery. This variety is especially desirable, producing long, graceful panicles of creamy white flowers.
Lactiflora		Sept.-Oct.	White	4-4½ ft.	35c	3.60	20.00	

Darwin Tulips planted among Perennial Plants make a gorgeous display in May

ACHILLEA—The Pearl

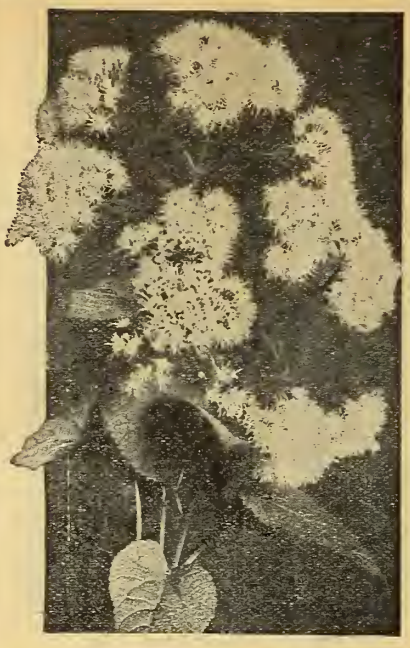
CAMPANULA (Canterbury Bell)

DELPHINIUM—Gold Medal Hybrids

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	100	Use, Soil, Position, Etc.
ASCLEPIAS								
Tuberosa	Butterfly-Weed	June-Aug.	Bright Orange.	2 ft.	35c	$3.60	....	Requires good, deep soil and full sun. Fine for cutting; should be in every collection.
ASTER (Hardy)								
Novae Belgae Climax		Oct-Nov.	Lavender Blue.	5 ft.	35c	3.60	$20.00	Splendid Autumn-flowering plants, preferring a partly shaded location. All are graceful and decorative cut flowers.
Mrs. J. F. Raynor		Oct-Nov.	Vivid Crimson.	5 ft.	40c	4.20	....	
Wells' White		Oct-Nov.	White	3-4 ft.	30c	3.00	18.00	Climax and Wells White are of the new Michaelmas Daisy type, having flowers 1½ in. and more in diameter.
St. Egwin		Oct.-Nov.	Pink	2½-3 ft.	30c	3.00	18.00	
BOCCONIA								
Cordata	Plume Poppy	July-Aug.	Creamy White.	6 ft.	35c	3.60	....	A beautiful, tall growing, hardy perennial, fine for back of borders, planting amongst shrubbery, or for center of large perennial beds. Will thrive in ordinary garden soil.
BOLTONIA	False Camomile							
Asteroides		July-Oct.	White	4 ft.	30c	3.00	15.00	This Aster-like hardy plant is useful for cutting, remaining in bloom a long time; requires good rich soil and an open situation in border or shrubbery.
BUDDLEYA	Butterfly Bush or Summer Lilac							
Variabilis Veitchiana		July-Aug.	Mauve	3 ft.	35c	3.60	20.00	A small shrub bearing exquisite tapering spikes of lilac mauve flowers; requires same protection as roses during winter. Plant in Spring.
CAMPANULA	Bell Flower							
Carpatica	Harebell	June-Aug.	Blue	1 ft.	30c	3.00	15.00	A large beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens being, as a rule, not difficult to cultivate. The habit of the plant as a rule is compact, ranging from 18 to 24 inches in height. They are most effective when planted in the mixed borders near the early Phloxes. The Persicifolia varieties are good perennial plants. Pyramidalis is a tall growing species, sending up its stalks of bloom 5 to 6 ft. in height during Aug. and continuing to bloom for six weeks or more.
Alba		June-Aug.	White.	1 ft.	30c	3.00	15.00	
Calycanthema, White, Cup and Saucer		June-Aug.	White	1 ft.	30c	3.00	15.00	
Pink		June-Aug.	Pink	1 ft.	30c	3.00	15.00	
Blue		June-Aug.	Blue	1 ft.	30c	3.00	15.00	
Medium, White, Canterbury Bell		June-Aug.	White	1 ft.	30c	3.00	15.00	
" **Pink,** Canterbury Bell		June-Aug.	Pink	1 ft.	30c	3.00	15.00	
" **Blue,** Canterbury Bell		June-Aug.	Blue	1 ft.	30c	3.00	15.00	
Persicifolia (Mixed)	Peach Bells.	June-Aug.	Blue and White.	2 ft.	30c	3.00	15.00	
Pyramidalis	Chimney Bellflower	Sept.	Blue	4-6 ft.	30c	3.00	15.00	
Trachelium Coeruleum		July-Aug.	White	2-3 ft.	30c	3.00	15.00	
CARNATION	Hardy Carnation							
Grenadin, Mixed		June-Sept		1½ ft.	30c	3.00	15.00	After a few years' trials, we have proved these to be quite hardy with ordinary protection. Large double red and white flowers, produced in succession all summer. Make excellent beds and are valuable cut flowers.
CASSIA								
Marylandica	American Senna	Aug.-Sept.	Yellow	2½ ft.	30c	3.00	15.00	A very handsome border plant, with graceful, finely-cut foliage, and yellow pea-shaped flowers.
CHIVES	Fine for seasoning				25c	2.40	....	Used for culinary purposes.
CHRYSANTHEMUM	Hardy Daisy							
Maximum (Type)	Shasta Daisy	June-July	White	2 ft.	30c	3.00	$15.00	Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well. King Edward VII is an extraordinary fine flower.
King Edward VII		June-July	White	3 ft.	35c	3.60	18.00	
COREOPSIS	Tickseed							
Lanceolata		May-Oct.	Yellow	2 ft.	35c	3.60	18.00	One of the most popular hardy plants, the flowers are a rich golden yellow of a beautiful graceful form.
DELPHINIUM	Perennial Larkspur							
Chinense	Chinese	June-Aug.	Light Blue	3 ft.	30c	3.00	15.00	Few plants are so handsome in the garden as the perennial Larkspurs. There are many species in cultivation, but the most important are the tall hybrids, of which there are many varieties with a wonderful range of color. They are valuable for their great variety in height, varying from 1 to 6 feet, for their great variety in shades of color, varying from the palest lavender through every conceivable shade of blue to deep indigo. They thrive in almost any situation or soil, and are easily increased, being perfectly hardy. A good, deep, rich soil will repay with larger and better flowers.
Album		June-Aug.	White	3 ft.	30c	3.00	15.00	
Formosum		July-Sept.	Blue with White Eye	4 ft.	30c	3.00	15.00	
Lamartine		July-Aug.	Dark Blue.	3 ft.	35c	3.60	18.00	
Gold Medal Hybrids. This strain is especially grown for us, the seed being saved from selected plants. All inferior colors and types are discarded. Many of them are double flowered, and range in color from pale lavender to indigo-blue					35c	3.60	....	

The Cottage Tulips are Excellent for the Perennial Border; All are Perfectly Hardy.

DIGITALIS—(Foxglove)



EUPATORIUM AGERATOIDES

Our collections of Peonies and Hardy Irises comprise the finest varieties in commerce. Plant these in September for best results.

PLATYCODON

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	100	Use, Soil, Position, Etc.
DIANTHUS	Hardy Garden Pink							
Abbottsford		May-Oct.	Pink	15 in.	30c	$3.00	$15.00	These very desirable sweet-scented, low-growing, early blooming and free flowering Hardy Garden Pinks are unequalled for the borders of beds, carriage drives, and the old-fashioned garden, and should be planted in quantity in any good garden soil with full sun and an open situation.
Deltoides		May-Aug.	Rose	15 in.	30c	3.00	15.00	
Plumarius Cyclops	Clove pinks	May-Aug.	Mixed	15 in.	30c	3.00	15.00	
Lilac Queen		May-Oct.	Mauve	12 in.	30c	3.00	15.00	
DIANTHUS BARBATUS.	See Sweet-William.							
DICTAMNUS	Gas Plant							
Caucasicus		June-July	Rosy Pink	2½ ft.	35c	3.60	....	An odd plant of vigorous growth, emitting a strong lemon odor. The flowers will give a flash of light on a sultry summer evening if a lighted match is held near them.
Fraxinella		June-July	Pink	3 ft.	35c	3.60	....	
Alba		June-July	White	3 ft.	35c	3.60	....	
ECHINOPS	Globe Thistle							
Sphaerocephalus		July-Aug.	Steel Blue	4 ft.	30c	3.00	$15.00	A very effective plant, which does well mixed in with shrubs. Fine cut-flower.
ERIGERON	Flea Bane							
Amos Perry		June-Oct.	Lavender Blue	1 ft.	40c	4.20	....	Valuable summer flowering plants with elegant single aster-like flowers, much prized for cutting. Amos Perry, is a new and much improved variety.
ERYNGIUM	Sea Holly							
Amethystinum		July-Sept.	Steel Blue	2 to 3 ft.	30c	3.00	15.00	These are exceedingly pretty both in flower and foliage and deserve to be better known. The flower heads are invaluable for cutting from June to September, and much used for winter decoration when dried.
Planum		July-Sept.	Pale Blue	3 ft.	30c	3.00	15.00	
EUPATORIUM	Thorough Wort							
Ageratoides		Sept.-Oct.	White	3 ft.	30c	3.00	15.00	Strong growing border plants suitable for cutting; they bear minute white flowers in dense heads; ordinary garden soil suits them.
Coelestinum		Sept.-Oct.	Light Blue	2 ft.	30c	3.00	15.00	
FUNKIA	Day Lily							
Lanceolata		August	Dark Blue	1 ft.	30c	3.00	15.00	Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. Effective in front of shrubbery, under trees, or any shady position where they thrive best.
Subcordata Grandiflora Alba		Aug.-Sept.	Pure White	1½ ft.	35c	3.60	20.00	
Thomas Hogg		Aug.-Sept.	Rosy Purple	1½ ft.	35c	3.60	20.00	
GAILLARDIA	Blanket Flower							
Grandiflora Mixed		June-Oct.	Mixed	1½ ft.	30c	3.00	15.00	Gaillardias are fine for bedding and borders, invaluable as a cut-flower, remaining in bloom the entire summer.
GALEGA	Goat's Rue							
Hartlandi, New		June-July	Lilac and White	3 ft.	30c	3.00	15.00	Covered in summer with racemes of small, lilac colored pea-shaped blossoms, valued for cutting. This form is far in advance of the old officinalis type, and should have a place in all hardy flower borders, and where cut flowers are in demand. Likes a rich, loamy soil.
GRASSES	For foliage only							
Phalaris Arundinacea Variegata	Gardener's Garters or Ribbon Grass		Variegated	1½ ft.	30c	3.00	15.00	Ornamental Grasses can be used with telling effect in borders, shrubberies, by the margins of lakes and streams, or as single specimens on the lawn.
GYPSOPHILA								
Paniculata	Baby's Breath	July-Aug.	White	1½ ft.	30c	3.00	15.00	Large graceful sprays of double white flowers; splendid for cutting.
HELENIUM	Sneezewort							
Hoopesi		May-July	Orange Yellow	2 ft.	30c	3.00	15.00	Blooming for a long period, are amongst the best of hardy flowers, affording a good quantity of cut-flowers which last a long while.
HELIANTHUS	Hardy Sunflower							
Miss Mellish		Sept.-Oct.	Golden Yellow	6 ft.	30c	3.00	15.00	Hardy perennial Sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water.
Multiflorus Plenus	Dahlia Sunflower.	Aug.-Sept.	Double Yellow	5 ft.	30c	3.00	15.00	
HELIOPSIS								
Gratissima		June-Aug.	Double Yellow	2½ ft.	30c	3.00	15.00	A very brilliant border plant, resembling a double sunflower; flowers double yellow; an excellent cut-flower.

Weights of plants to go by Parcel Post are given on page 22.

VAUGHAN'S HARDY IRISES

Flag Iris or Fleur de Lis

THESE Irises are all sun lovers and delight in a well drained situation. They are all deliciously fragrant, large and handsome, more or less beautifully mottled in the "Standards" and veined in the "Falls," while the beards range from delicate primrose to orange. Their beauty at first sight rivals that of the Orchid, but, on closer examination, we have no hesitaiton in saying they yield points of interest not to be found in the whole of the Orchid family. Those who have not used these Irises for surrounding lakes and ponds, or cultivated them in the flower borders, shrubberies, woodland walks, and wild gardens, should do so. If planted around ponds or lakes they should be placed well above the water level.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

Amas (Macrantha). "S" Rich blue; "F" Violet; very large and handsome. **Each, 30c; doz. $3.00.**

Alcazar. "S" Violet with bronze sheen; "F" rich crimson with lighter veins A very rich and striking flower. **Each, 60c.**

Archbishop (Archeveque). (New.) Deep velvety-violet; "S" Deep purple violet; an exquisite Iris; very scarce. **Each, 40c; doz., $4.00.**

Black Prince (Kochi Atro-purpurea). "S" Purple lilac; "F" velvety black. A very striking dark flower. **Each, 25c; doz., $2.50; per 100, $12.00.**

Black Prince. (Barr). "S" Soft purple lilac; "F" rich velvety black; large flower, free blooming. **Each, 75c; doz., $8.00.**

Candelabre. "S" Mauve and purple; "F" Violet, with white and black veins. **Each, 30c; doz., $3.00.**

Caprice. "S" Reddish purple; "F" Deeper, self-colored. One of the best red Irises. **Each, 30c; doz., $3.00; per 100, $15.00.**

Celeste. Fine satiny blue. One of the most beautiful of German Irises. **Each, 25c; doz., $2.50; per 100, $12.00.**

Cherubin. "S" Pale lilac; "F". Pale lilac, veined purple. **Each, 40c; doz., $4.00.**

Clio. White "S" clear blue "F". **Each, 30c; doz., $3.00.**

Darius. "S" Primrose yellow; "F" Lilac and primrose. **Each, 20c; doz., $2.00; per 100, $10.00.**

Dalmarius. A cross between Dalmatica and Darius. "S" pale grey-blue; "F" darker, shaded violet-brown; very distinct. **Each, 25c; doz., $2.50.**

Dorothea. An early dwarf flower of exceptional merit. "S" Mauve, deeper in center; "F" Soft blue with orange veinings. Very fine. **Each, 20c; doz., $2.00; per 100, $10.00.**

Dr. Bernice. "S" Coppery bronze; "F" Velvety crimson. Very handsome. **Each, 20c; doz., $2.00; per 100, $12.00.**

Edward Michell. (New). Tall spikes of flowers splendidly shaped. "S" Broad; "F" Long and wide. The whole flower is deep wine red. **Each, $1.25;; doz., $12.00.**

Eldorado. "S" Bronze shaded yellow; "F" Violet purple touched at sides with bronze yellow. One of the most distinct and richest colored of all. **Each, 30c; doz., $3.00.**

Fairy. Beautiful white with blue border and veinings. **Each, 30c; doz., $3.00; per 100, $15.00.**

Florentina Alba. Large pure white fragrant flowers. **Each, 20c; doz. $2.00; per 100, $10.00.**

Frorin. "S" and "F" pale canary yellow, merging to cream at base. **Each, 20c; doz. $2.00; per 100, $10.00.**

Gajus. "S" Light clear yellow; "F" Crimson, reticulated white and yellow. **Each, 20c; doz. $2.00; per 100, $10.00.**

Gertrude. Deep violet blue; very fragrant. **Each, 20c; doz., $2.00; per 100, $10.00.**

Gracchus. "F" Crimson, reticulated white, fine, early. **Each, 20c; doz., $2.00.**

Her Majesty. (New.) "S" a lovely rose-pink; "F" bright crimson, tinged a darker shade. **Each, 35c; doz., $3.40.**

Isoline. "S" Lilac pink; "F" Purplish old rose, with golden throat and yellow beard. Very handsome and extremely scarce. **Each, 40c; doz., $4.00; per 100, $25.00.**

Jeanne d'Arc. Flowers large, petals broad, of a fresh clear lilac. "F" Pure white, bordered lilac. 3 ft. **Each, 30c; doz., $3.00; per 100, $20.00.**

Kharput (Italia). "S" Violet; "F" Violet purple, large handsome bloom. **Each, 25c; doz., $2.40; per 100, $15.00.**

King of Iris. "S" Lemon yellow; "F" Deep brown and yellow. One of the most beautiful of all Irises. **Each, 40c; doz., $3.60.**

L'Avenir. A beautiful shade of satin blue. **Each, 25c; doz., $2.40; per 100, $15.00.**

Lohengrin. Large handsome silvery-mauve flowers. **Each, 25c; doz., $2.40; per 100, $15.00.**

Lord Seymour. Very much like Mme. Chereau, but "S" are a more delicate pale lavender. **Each, 25c; doz., $2.40; per 100, $15.00.**

Loreley. "S" Light yellow; "F" Ultramarine blue, bordered cream. **Each, 25c, doz. $2.40; per 100, $15.00.**

Loute. "S" Light blue and heliotrope; "F" reddish purple and bronze. Flower of majestic proportions and striking color. **Each, 60c; doz., $6.00.**

Mme. Chereau. One of the most beautiful of its class. The flowers are pure white, with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall. **Each, 20c; doz., $2.00; 100, $10.00.**

Mme. Pacquette. Bright rosy claret, early and beautiful. Sweet scented. **Each, 25c; doz., $2.40.**

Maori King. "S" Golden yellow; "F" Velvety maroon margined gold. **Each, 25c; doz., $2.40; per 100, $15.00.**

Monsignor. Tall, large blossoms borne in profusion. "S" Blush lavender; "F" Violet with white pencilings at throat. **Each, 50c; doz., $5.00; per 100, $30.00.**

Mrs. H. Darwin. "S" Clear waxy white; "F" White, violet veins. **Each, 20c; doz., $2.00; per 100, $8.00.**

Mrs. Newbronner. A beautiful deep self-yellow. Very fine. **Each, 25c; doz., $2.40.**

Nelly. "S" Blue; "F" clear white with blue veining and blotches. **Each, 25c; doz., $2.40.**

Oriflamme. "S" light blue, "F" violet purple; extra fine large flower. **Each, 60c; doz., $6.00; per 100, $40.00.**

Pallida Dalmatica. One of the most beautiful of all these Irises. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender-blue. **Each, 30c; doz., $3.00; per 100, $20.00.**

Pallida Mandraliscae. Rich lavender-purple, large and handsome. **Each, 20c; doz., $2.00; per 100, $10.00.**

Parisiana. Large deep blue striped and mottled bright lilac on edges of petals. **Each, 60c; doz., $6.00.**

Peacock's Eye. "S" Olive yellow; "F" Brownish, shading to a clear yellow. **Each, 35c; doz., $3.60.**

Princess Victoria Louise. (New.) "S" Immense sulphur yellow; "F" Plum color, shaded primrose. A very uncommon and pleasing shade. **Each, 25c; doz., $2.40.**

Pres. Thiers. "S" Lavender blue; "F" Deeper blue, white pencilings. **Each, 25c; doz., $2.40.**

Prosper Laugier. Deep velvety crimson, with deeply veined throat. "F" very broad. Highly recommended. **Each, 25c; doz., $2.40.**

Queen Alexandra. "S" and "F" Bronzy-mauve. Very fine free-blooming variety. **Each, 30c; doz., $3.00.**

Queen Emma. "S" and "F" clear waxy-white. The best of this color in our entire collection. **Each, 35c; doz., $3.60.**

Queen of May. "S" Lilac pink; "F" Lilac, blended with white; distinct. **Each, 20c; doz., $2.00; per 100, $12.00.**

Rhein Nixe. "S" White, very large. "F" Rich violet purple with distinct narrow white edge. A charming flower. Scarce. **Each, 25c; doz. $2.40; 100, $15.00.**

Stormcloud (Nuee d'Orage). (New.) Very large flowers of a greyish slate blue with bronze shading. "F" Purplish blue, very fine. **Each, 50c; doz., $5.00; per 100, $30.00.**

Tamerlane. (New.) "S" Pale violet; "F" deep purple. Magnificent, tall, bold. **Each, 50c; doz., $5.00; per 100, $30.00.**

Trautlieb. "S" and "F" lovely uniform rose; very striking. **Each, 25c; doz., $2.40; per 100, $15.00.**

Twilight (Crepuscue). "S" and "F" delicate violet-purple, quite devoid of markings. Immense flowers on long stems. Early. Highly recommended. **Each, 35c; doz., $3.60.**

HARDY IRIS SPECIAL MIXTURE. Doz., $1.25 (postpaid); (by express) per 100, $6.00; per 1000, $50.00. (Exp.) (25 at 100 rate, 250 at 1000 rate.)

GOOD MIXTURE. For large plantings and naturalizing, splendid value; per 100, $3.00; per 1000, $24.00 (exp.)

GIANT IRIS COLLECTIONS — One each of the following 10 varieties. Black Prince (Kochi), Caprice, Isolene, Lohengrin, Monsignor, Oriflamme, Pallida Dalmatica, Stormcloud, Tamerlane and Twilight. Every one of marvellous beauty with largest flowers, the petals measuring 2 inches and over across, regular price $3.95. **$3.00 POST PAID**

(Exp.) denotes to be sent by express, purchaser paying Express charges.

GAILLARDIA

HELIANTHUS—Double

HEMEROCALLIS (Yellow Day Lily)

HARDY IRIS—continued

Interregna. Creamy white; large flowers of good substance. **Each, 20c; doz., $2.00.**

Wahalla. "S" lavender; "F" wine-red. **Each, 20c; doz., $2.00.**

Longipetela Superba. Flowers soft porcelain blue, with long pale blue "F" having a golden bloch at the base. Fine for massing. **Each, 25c, dox., $2.40.**

Iris Sibirica

Orientalis. (Yale Blue). A slender, graceful, tall-growing Iris, with deep blue flowers. **Each, 25c; doz., $2.00; 100, $12.00.**

Superba. Brilliant blue. **Each, 30c; doz., $3.00.**

Iris Pumila Hybrida

DWARF variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Iris. **Cyanea.** Rich royal purple with black shading. **Each, 20c; doz., $2.00; per 100, $10.00. Florida.** Beautiful lemon yellow shaded darker. **Each, 20c; doz., $1.20; per 100, $10.00.**

Schnee Kuppe (Snow Cup). A fine new large flowering white variety. "F" slightly reticulated yellow at the base. **Each, 35c; doz., $3.60.**

Iris Pseudacorus

THIS is the common yellow Water Flag Iris. Splendid for naturalizing near ponds and streams. **Each, 15c; doz., $1.40.**

Victory Collection

MME. PACQUETTE, CELESTE, MRS. H. DARWIN

Red, White and Blue — All Prepaid

One of each, 65c — Three of each, $1.50 — Six of each, $2.50

"Bargain" Collections (Our Selection)

One each, 6 varieties (6 plants) $0.65
Two each, 9 varieties (18 plants) 1.60
Three each, 12 varieties (36 plants) ... 2.75
ALL PREPAID

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	100	Use, Soil, Position, Etc.
HEMEROCALLIS	Yellow Day Lily							The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass.
Fulva		June-July	Rich Yellow	2 ft.	30c	$3.00	$12.00	
Flava		July-Aug.	Yellow	3 ft.	30c	3.00	12.00	
Thunbergi		July	Golden Yellow	4 ft.	30c	3.00	12.00	
Kwanso, fl. pl.		June-July	Coppery Red Double	3 ft.	30c	3.00	....	
Dr. Regel		June-July	Apricot, late	2½ ft.	35c	3.60	....	
Sovereign		June-July	Chrome-Yellow	3 ft.	35c	3.60	....	
HEUCHERA	Alum Root							They are of the simplest cultivation, and thrive well in ordinary garden soil. Their dainty sprays of rose carmine flowers make them invaluable for cutting.
Brizoides Gracillima		May-June	Rosy Carmine	2 ft.	35c	3.60	18.00	
HYPERICUM	St John's Wort							A splendid new shrub-like plant of pendulous spreading habit. The flowers are golden yellow over 2 inches in diameter, like immense single buttercups. A most desirable plant for sunny situations.
Moserianum		July-Sept.	Golden Yellow	3 ft.	35c	3.60	20.00	
HIBISCUS	(Mallow Marvel) Plant in Spring							
IBERIS	Hardy Candytuft							Dwarf evergreen plants covered with blooms in Spring and during early Summer. Especially suited to border and rockwork and edging beds of late Tulips and Narcissi.
Gibraltarica		April-May	Lilac Mauve	12 in.	30c	3.00	15.00	
Sempervirens		April-May	White	10 in.	30c	3.00	.....	
LAVENDULA								Delightfully fragrant flowers, much used when dry on account of their sweet odor.
Vera	True Lavender	June-Aug.	Blue	2 ft.	30c	3.00	.....	
Spica	Common Lavender	Aug.	Lilac	2 ft.	30c	3.00	.....	
LYCHNIS	Campion							Highly ornamental plants for summer, valued for cut flowers and border plants.
Arkwrighti		June-Sept.	Scarlet		35c	3.60		
Chalcedonica		June-Sept.	Orange Scarlet	2-3 ft.	30c	3.00	15.00	

Hardy Perennials are the most satisfactory of all Flowers because of their permanent character and natural beauty.

PHYSOSTEGIA VIRGINICA

LOBELIA CARDINALIS

MERTENSIA VIRGINICA

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	100	Use, Soil, Position, Etc.
LYTHRUM	Loosestrife							
Roseum	Perry's Variety	May-Sept.	Reddish Purple	3 ft.	40c	4.20	22.00	Produces large spikes of rose-colored flowers, and can be used for margins of lakes and ponds, also borders and shrubbery. Any good soil suits it.
MERTENSIA	Blue Bells or Virginian Cowslip							
Virginica		May-June	Light Blue	18 in.	30c	3.00	18.00	A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil and in the shade.
MINT	Old Fashioned			18 in.	25c	2.50		An old favorite, will grow anywhere.
MONARDA	Bergamot, Oswego Tea or							
Didyma	Bee Balm	June-Sept.	Brilliant Scarlet	3 ft.	35c	3.60		Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.
NEPETA								
Mussini		May-Sept.	Light Blue	1 ft.	30c	3.00		These little plants give clouds of bright blue flowers all summer. Makes a fine permanent edging and an excellent rock plant.
OENOTHERA	Evening Primrose							
Youngii		May-Aug.	Golden Yellow	2 ft.	30c	3.00		Showy and easily grown on all soils; useful in wild garden, and border; make good plants for front of border.
PACHYSANDRA								
Terminalis		May	White	4-6 in.	30c	3.00	....	Small whitish flowers in May, which are insignificant, deep green evergreen foliage, after the Helleborus type but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere.
PHYSOSTEGIA	Falsc Dragon Head							
Grandiflora		June-Sept.	Pink	3 ft.	30c	$3.00	....	Fine for a cool situation and rich, light soil, bearing erect spikes of pretty feather-like flowers. Useful for borders, wild gardens and for cutting.
Virginica		June-Sept.	Soft Pink	3-4 ft.	30c	3.00	....	
Alba		June-Sept.	Pure White	2 ft.	30c	3.00	....	
PLATYCODON	Balloon Flower							
Grandiflora		May-Sept.	Deep Blue	18 in.	30c	3.00	....	Very handsome plants of the Campanula family, having large open bell-shaped flowers, which in the bud resemble a balloon, hence the name. As border plants they are unique, and should be planted in quantity. Sandy loam is best.
Alba		May-Sept.	White	18 in.	30c	3.00	....	
POLYGONATUM	Solomon's Seal							
Giganteum		June-July	White	2-3 ft.	30c	3.00	....	A very desirable plant for shade and woodland, or bordering shrubs. The flowers are white, shaded green.
PRIMULA								
Veris Grandiflora		June-July	Mixed	10 in.	30c	3.00	$15.00	These Hardy Primroses are among our most delightful spring flowers. They require a partially shaded location
Rheingold		June-July	Orange and Red	10 in.	30c	3.00	15.00	
PYRETHRUM	Painted Daisy							
Roseum, Single and Double Mixed		June	Various	18 in.	30c	3.00	15.00	These are of great value for cut flower purposes, lasting in water longer than any flower we know. They are perfectly hardy, delighting in a cool, moist soil.
RANUNCULUS	Buttercup							
Acris fl. pl.	True Buttercup	May-June	Yellow	2 ft.	35c	3.60	....	Acris is the well-known double yellow buttercup so effective either as a cut flower or grouped in the Hardy borders. Repens is a showy plant bearing rosettes of double yellow button-like flowers during May and June. Likes a shady or partial shady situation in rich soil.
Repens fl. pl		May-June	Double Yellow	1-2 ft.	30c	3.00	18.00	
RUDBECKIA	Cone Flower							
Laciniata fl. pl.	Golden Glow	July-Oct.	Yellow	5-7 ft.	30c	3.00	15.00	The Rudbeckias are very decorative plants for shrubberies, flower borders or side of carriage drives, thriving in any good garden soil. Golden Glow is perhaps the best known kind, although they are all worthy of a trial, especially the Purpurea for its wine-red color.
Newmanii		June-Sept.	Orange, blk. cone	2 ft.	30c	3.00	....	
Purpurea	Purple Cone Flower		Yellow	6 ft.	30c	3.00	15.00	

A special leaflet on "Hardy Plants" given free with every order of $1.00 or more, if asked for when ordering.

MARGUERITE GERARD | EUGENIE VERDIER | FESTIVA MAXIMA | PRES. TAFT

Vaughan's Peonies

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds; or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies, they require just as much care as the better kinds, and are disappointing in the end. We grow only varieties that we have thoroughly tested at our trial grounds, and here offer the grandest Peonies in commerce.

Those varieties marked (X) are recommended by us as being especially reliable, free-blooming kinds in their respective colors.

Planting. Peonies may be planted in spring as soon as the frost is out of the ground. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient. After planting give a heavy mulching of **rotten** stable manure, and do not transplant the clumps for at least 5 years, and then only if very necessary. We offer three sizes, viz:—**Divided roots,** 2 to 5 eyes. **Medium roots,** 4 eyes and up. **Large roots,** 4 to 5 year old clumps, 8 eyes and up..

D—Divided. M—Medium. L—Large Roots.

White and Light Varieties

Albatre. Large, compact, rose-type bloom, wide center petals. Milk white, X center petals edged carmine. Extra good. Midseason. **D, 60c; M, $1.00; L, $1.60.**

Avalance. Large globe-shaped bloom similar to Albatre but not as early. **E, 70c; M, $1.10; L, $1.60.**

Baroness Schroeder. Large globular rose type. Flesh pink changing to white. Vigorous and free bloomer. A first-rate flower. **D, $1.50.**

Carnea Triumphans. Guards and crown pale pink, collar amber-white, fragrant. Midseason. **D, 50c; M., $1.00.**

Charlemagne. Lilac white with a slight blush center, fragrant, medium height, free bloomer. Globular rose-type flower. Flowers open better in water in house. than on the plant. Late; extra. **D, 50c; M, 85c; L, $1.25.**

Couronne D'Or. Large, flat, semi-rose type. Pure white, with a ring of yellow X stamens around a tuft of center petals, tipped carmine. Medium tall, splendid grower, free bloomer. Late. **D, 60c; M, 85c; L, $1.25.**

Duchess de Nemours (Calot). Sulphur white with greenish reflex. Flower large, cup-shaped. Splendid cut flower variety. Midseason, follows Festiva Maxima; fragrant. **D, 50c; M, 85c; L, $1.25.**

Duc de Wellington. Large bomb, white guards, sulphur center. Fragrant. Medium tall, vigorous grower; free bloomer. Late. **S, 55c; M, 85c; L, $1.40.**

Festiva (Drop White). Large, full, rose-shaped bloom, creamy white, flecked with carmine. Fine late variety. **D, 50c; M, 85.**

Festiva Maxima. The best known Peony. Flower of immense size—7 to 8 in. X in diameter—snow white, with some red spots on the edge of the center petals. Very sweet. Early. **D, 50c, $1.00; L, $1.50.**

Jeanne d'Arc. Collar, cream white, shaded with sulphur. Guards, pale lilac-rose, and full high brilliant pink center, with occasional carmine spots. A vigorous plant, and a very free midseason bloomer. Exquisitely fragrant. **D, 50c; M, 85c; L, $1.50.**

La Rosiere. Large, compact semi-double flower, with broad petals, outer petals pure white at center with yellowish-white border. In form and effect resembles an enormous tea rose. Midseason. **D, 75c; M, $1.25.**

La Tulipe. Very large shell-formed bloom; delicate rose, fading to creamy white; X center petals tipped with carmine; outside of guard petals striped with carmine. Late. **D, 50c; M, 85c; L, $1.25.**

Madame Breon. Guards brilliant rosy flesh, center creamy white to yellowish upon opening, fading to pure white; bloom very large, on long, strong stems. Fragrant. Early. **D, 50c; M, 85c, L, $1.25.**

Madame de Verneville. Guard petals sulphur white, center delicate flesh. Flowers very double and compact, imbricated; born on long stems. This is one of the most desirable for all purposes. **D, 50c; M, 85; L, $1.25.**

White and Light Varieties—Cont.

Madame Emile Lemoine. Large compact semi-rose type. Milk-white. Medium height vigorous open habit. Blooms in mid-season. **D, 75c; M, $1.25.**

Marie Lemoine. Delicate ivory white; solid massive blooms of extra size: very late. **D, 50c; M, 85c; L, $1.25.**

M. Dupont. One of the best late white sorts. Flowers very large, cup-shaped, on stiff stems. Clear ivory white, with brilliant carmine border on center petals. A good grower and free bloomer. **D, 75c; M, $1.00.**

Queen Victoria. Guard petals milk white, tinted flesh, center creamy white with crimson spots, large globular flower, on stems of medium height, free bloomer, midseason. **D, 40c; M, 60c; L, $1.00.**

Solfatare. Large bomb-shaped, with crown. White guards and sulphur collar. Really a creamy yellow Peony. Medium habit. Midseason. Distinct and desirable. **D, 50c; M, 85c; L, $1.25.**

Light and Dark Pink and Rose

Albert Crousse. Very large flat, compact bloom; rosy-white flecked crimson. Very fragrant, tall free bloomer. Late. **D, 80c; M, $1.25.**

Alexander Dumas. Light violet-rose, of medium size. A creamy-white collar of narrow petals mingled with the white outer petals. A fine cut flower variety and a good producer. Early midseason. **D, 60c; M, 85c; L, $1.25.**

Auguste Villaume. Extra large, compacta, globular rose type. Late. **D, $1.25; M, $1.75.**

Delicatissima. Large rose type. Pale lilac-rose. Fragrant. Very strong, tall grower, fine habit, free bloomer. Extra good keeper and shipper. Midseason. **D, 50c; M, 85c.**

Edulis Superba. Bright mauve pink collar mixed with lilac; fragrant; strong upright stems, free bloomer, early, one of the best pinks. **D, 50c.**

Eugenie Verdier. Delicate flesh pink, very tall, free and very beautiful. Midseason. We can conscientiously recommend this as one of the best pink Peonies in cultivation. **D, 60c; M, 85c; L, $1.25.**

Faust. Guard petals and crown pink, fading to lilac-white, collar of narrow sulphur-white petals, midseason. **D, 50c; M, 85c; L, $1.25.**

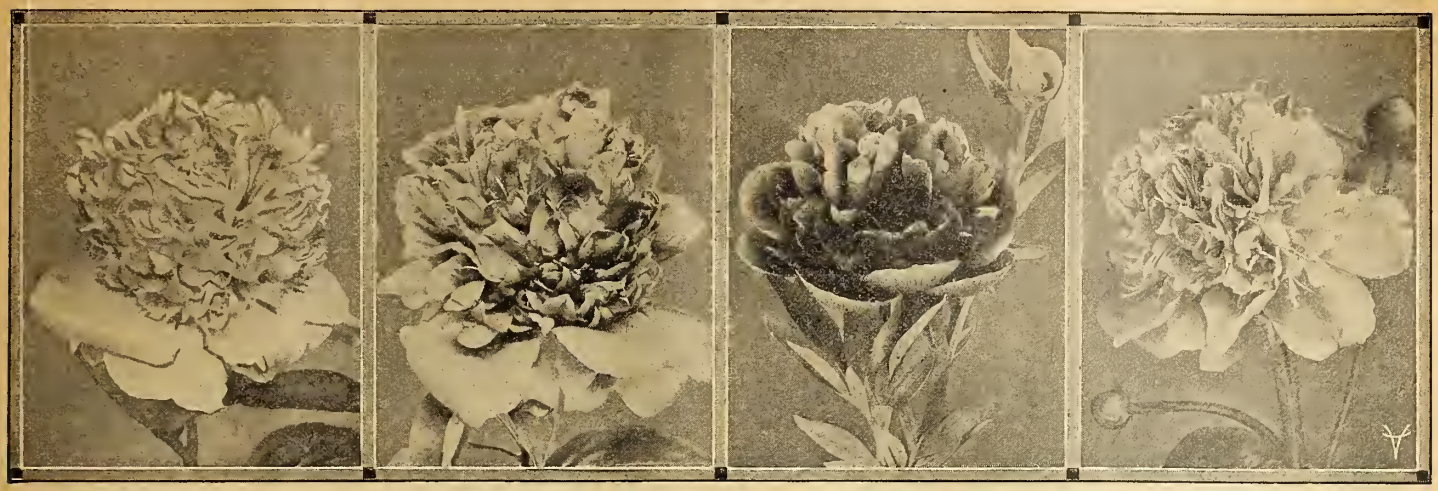
General Cavaignac. Large globular semi-rose type. Lilac rose with larger outer petals. Late. **D, 50c; M, 85c.**

Jules Calot. Large, flat rose type, dark pink, with silvery reflex. Fragrant, strong, medium height; free bloomer. Midseason. Good. **D, 50c.**

Kohinoor. Shell pink, very free, splendid cut flower. Midseason. **D, 50c; M, 85c; L, $1.25.**

Lady Leonora Bramwell. Beautiful large rose-colored Peony. Very free. Splendid cut-flower sort. **D, 50; M, 85c; L, $1.25.**

None of the early Summer Perennials can excel the Peony in beauty of form, color and fragrance. Peonies should be in every garden.



MME. DE VERNEVILLE | FELIX CROUSSE | OFFICINALIS RUBRA PLENA | LIVINGSTONE

Vaughan's Peonies

Light and Dark Pink, and Rose—Continued

Lamartine. Large globular rose type. Center rose edged silver. Heavy stemmed, erect growing, fragrant variety. Late. **D, $5.00.**

X **Livingstone.** Very massive solid light pink of the highest class. Rose shape. Free. Vigorous bloomer and very late. **D, $1.25.**

Madame Barillet Deschamps. Semi-rose type flat and imbricated. Clear violet-rose toning with age to a silvery pink. Medium height. Midseason. Very fragrant. **D, 75c.**

X **Madame Emile Galle.** Flat, compact, rose-type bloom. Deep lilac-white, changing to milk-white in the center. Tall. Late. **D,$1.00.**

Madame Forel. Immense, compact, ball-shaped bloom. Clear deep rose. Strong stems, very fragrant. Late. **D, 65c; M, $1.00; L, $1.50.**

Madame Furtado. Bright violaceous-pink guard, bright salmon-pink center. **D, 75c.**

Marguerite Gerard. Large, compact, semi-rose developing into a crown with stamens. Very pale hydrangea-pink, fading to nearly white, central petals
X flecked dark carmine. Free, late. Extra. **D, $1.00; M, $1.50; $2.00.**

Monsieur Jules Elie. Immense globular, very full, double, imbricated bloom on very heavy stems; petalage broad and over-lapping; color, glossy flesh-
X pink, shading to a deeper rose at the base and the entire blooms covered with a silvery reflex. A vigorous grower, free bloomer, very fragrant. One of the very best pink sorts. **D, 85c; M, $1.50.**

President Taft. (New). Exquisite shade of lilac-pink with carmine center. Very large cup-shaped blooms. There is no better pink of this shade in our entire collection. **D, $1.50; M, $2.00.**

Princess Beatrice. Light violet-rose crown and guards, creamy-white collar: speckled crimson center; compact and large; free bloomer; fragrant; early mid-season variety. **D, 60c.**

Prolifera Tricolor. Medium size. Guards flesh-white, collar of sulphur-yellow. Narrow ligulated petals, open, pale-rose crown, enclosing a tuft of sulphur-white petals. Fragrant. Late. **D, 50c; M, 85c; L, $1.25.**

Souvenir de G. Calot. Very large bloom, satiny pink, shaded glossy soft lilac. **D, 50c; M, 85c; L, $1.25.**

Therese. A most desirable variety of a charming shade of violet-rose, changing to lilac-white. Develops a high crown, strong grower and very free bloomer. A splendid addition to the mid-season sorts of which it is one of the best. **D, $6.00.**

Triomphe de l'Exposition de Lille. Large, imbricated flower; soft carnation pink, with white reflex, carmine center; very fresh coloring. One of the best. **D, 60c; M, 85c; L, $1.25.**

Red and Crimson Sorts

Adolph Rousseau. Huge semi-double flowers of deep purplish-red. Tall vigorous, early. One of the darkest of all. **D $1.00; M, $1.50.**

Augustin D'Hour. Large, bomb-shaped flower, dark brilliant solferino-red
X with slight silvery reflex. Medium tall, very free; midseason. Very fine. **D, 75c; M, $1.10.**

Berlioz. A charming flower, carmine rose, tipped silvery-white. Tall, free-flowering. Late midseason. **D, 50c; M, 85c.**

Edouard Andre. Early-blooming, deep brilliant crimson with metalic glow and golden yellow stamens. Valuable and unique. **S, 60c; D, $1.00.**

Red and Crimson Sorts—Continued

Gloire de Douai. Large flower of a glowing rich crimson. **D, 60c; M, $1.00; L, $1.50.**

La Grange. This variety appeared with us as a rogue in "Charlemagne" some years ago. It impressed us as being very desirable on account of its striking
X red color, heavy stem, and large double flowers, and we have been propagating this variety since then. Everyone who has seen it in our nursery is delighted with it and we can strongly recommend it. **D, 50c; M, 85c; L, $1.25.**

M. Krelage. Large, compact, semi-rose type. Dark soferino-red, with
X silvery tips. Slightly fragrant. Strong, upright, free bloomer. Late. Very desirable. **D, 75c; M, $1.00; L, $1.50.**

M. Martin Cahuzac. Medium sized, globular, semi-rose type. Dark purple
X garnet with black reflex. The darkest peony known. Strong, vigorous grower. Free bloomer. Midseason. **D, $3.00.**

Officinalis Rubra Plena. This is the old-fashioned red, the most brilliant of all red Peonies. Early and splendid cut flower. **D, 50c; M, 75c.**

Various Peonies

Single Unnamed.

Single Crimson, divided roots, **each, 50c; M, 85c; L, $1.25.**

Single Pink, divided roots, **each, 50c; M, 85c; L, $1.25.**

Single White, divided roots, **each 75c; M, $1.00; L, $1.50.**

Single Named.

Emily. Medium size. Violet-rose. Double row of petals. Medium tall. **D, 60c; M, 85c.**

Prince Bismarck. Single beautiful crimson, showy yellow stamens. Free and long blooming variety. **D, 75c; M, $1.00; L, $1.50.**

Discount on Peonies

Orders amounting to over **$5.00** and less than **$10.00** are subject to **10 per cent discount** for cash.

Orders over **$10.00** and less than **$15.00** are subject to **12 per cent discount** for cash.

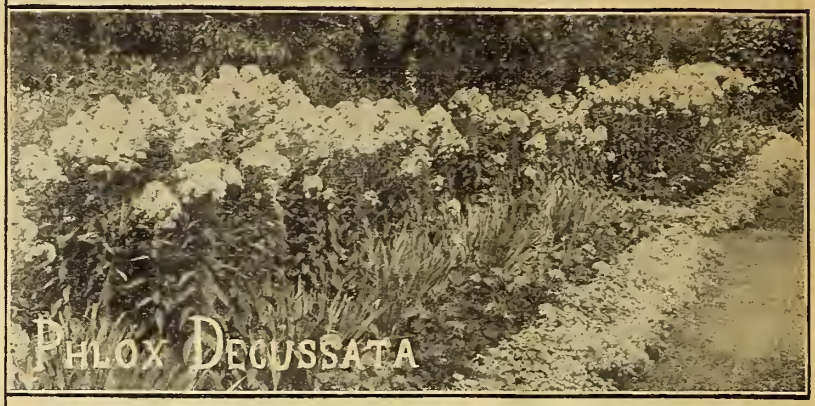
All orders of **$15.00** and over are subject to **15 per cent discount** for cash.

Profits From Peonies

Peony culture is no longer a fad, but a real, live, business proposition, offering most excellent financial returns for the investment and labor required. Few, if any, of our popular commercial flowers can be produced with equal assurances of netting the grower better results in satisfaction and income. Peonies can be successfully grown under widely varying conditions, providing the proper cultural methods are pursued, and, while adaptable to culture in any open field, they are particularly suitable for improving vacant city property and back yard areas which would otherwise be waste ground.

Write us for list of best cut flower varieties of peonies and prices for dozen and 100 lots of a kind,

Those varieties marked (X) are recommended by us as being especially reliable, free-blooming kinds in their respective colors.



Hardy Phlox

PHLOX DECUSSATA

Dwarf and Alpine Phlox

THESE are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered on this page.

⅔**Amoena Rosa.** Bright pink flowers in May and June. Height 6 in. **Each, 25c; dozen, $2.50.**

Pilosa Splendens. A new spring-flowering Phlox that produces great masses of lilac-rose flowers; 1 foot; May. **Each, 25c; dozen, $2.50.**

⅔**Subulata Rosea.** Same as above but with dainty pink flowers. This and Alba are fine for graves. **Each, 25c; doz., $2.50.**

Phlox Arendsi

Flowers in May, height 12 to 4 inches, excellent for perennial borders and shrubberies. Continues long in bloom.

Amanda. 15 in. high, well branched. Flowers of medium size, early, lavender with dark center. A splendid bedder. **Each, 20c; dozen, $2.00.**

Luise. Height, about 2½ in. Color of flower, pale lilac with carmine eye. **Price, each, 30c; doz., $3.00.**

THIS is one of the most useful flowers for summer decorations, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected.

Our collection contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties.

Letters and numbers immediately following the varieties indicate time of flowering and approximate height as follows:

(1) Early	(2) Mid-season	(3) Late
(D) Dwarf	(M) Medium	(T) Tall

The blue, lavender and orange colored ones should be planted in semi-shades, as the sun is apt to bleach out the colors in a short time.

Antonin Mercie. (M. 2.) A beautiful grayish lilac with white center. **Each, 25c; doz., $2.50.**

Bridesmaid. (D. 2.) Pure white, large crimson-carmine eye. **Each, 25c; doz., $2.50.**

Crespuscule. (M 2.) Large cherry-red center, edged pale violet pink. **Each 30c; doz., $3.00.**

Dedem. (T 2.) Brilliant orange-scarlet with immense trusses and individual flowers. **Each 30c; dozen, $3.00.**

Elizabeth Campbell. (D. 2.) Bright salmon pink with lighter shadings and dark crimson eye. One of the best. **Each, 40c; doz., $4.20.**

Europa. (T. 2.) White, distinct carmine eye, large flower. **Each, 40c; doz., $4.20.**

Gloire de Maroc. Deep violet, with large crimson eye, almost a violet-blue. Large flowers in immense trusses. **Each, 20c; doz., $2.00.**

Jeanne d'Arc. (T. 3.) Fine pure white. A fine late flowering variety. **Each, 25c; doz., $2.50.**

La Vague. Bright bluish lilac, cherry center. **Each, 25c; doz,, $2.50.**

⅔**Maculata Alpha.** (Suffruticosa.) Dwarf early variety with dark pinkish mauve flowers, stems usually spotted and slender. **Each, 20c; doz., $2.00.**

Miss Lingard. (T. 1.) (Suffruticosa). Pure white; the earliest of all. Blooms all summer. good for cut flowers. **Each, 30c; doz. $3.00.**

Mrs. Jenkins. A very free flowering early variety of medium height producing immense panicles of pure white flowers. **Each, 30c; doz., $3.00.**

Nana Coerulea. Of extra dwarf habit; extra violet-blue. It flowers most abundantly. **Each, 20c; doz., $2.00.**

Sunshine. Bright red with crimson eye and light halo. **Each, 25c; doz., $2.50.**

MIXED.—1 year field-grown plants of a choice mixture of colors. Unnamed varieties. **Each, 20c; doz.; $2.00.**

SPECIAL OFFER No. 33A.—One each of 10 varieties, our selection from above. All distinctly labeled for **$2.25 by express,** not prepaid.

SPECIAL OFFER NO. 33B. One each of 6 varieties (six plants), our selection, Distinctly labeled for **$1.25 postpaid.**

SPECIAL OFFER NO. 33C. Two plants each of 3 varieties (six plants), three distinct colors, our selection, for **$1.10 postpaid.**

ELIZABETH CAMPBELL

The Phloxes marked (⅔) are useful for planting as borders or carpeting to with Late-flowering Tulips.

STATICE LATIFOLIA

YUCCA FILAMENTOSA

SWEET WILLIAM (Dianthus Barbatus)

Botanical Name	Common Name	Flowering Period	Color	Height	Each	Doz.	100	Use, Soil, Position, Etc.
SALVIA								
Azurea Grandiflora		Aug.-Oct.	Sky Blue	3 ft.	30c	$3.00	....	Beautiful plants, with long spikes of tubular blue flowers. Leaves of Officinalis used for seasonings and dressings. Pitcheri makes a grand showing in the fall and is without a doubt one of the best of all Autumn blue flowers.
Pitcheri	Meadow Sage	Sept.-Oct.	Deep Blue	3½ ft.	35c	3.60	....	
Officinalis	Common Sage				25c	2.50	....	
SAPONARIA								
Ocymoides Splendens		May-Aug.	Crimson	6 in.	30c	3.00	$15.00	A showy, dwarf, trailing plant producing a sheet of vivid crimson flower.
SEDUM								
Acre	Golden Moss	May-June	Bright Yellow	3 in.	30c	3.00	....	Fine plants for rock-gardens, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country and stand dry weather. They are especially suited to sunny locations.
Brilliant		June-July	Scarlet	6 in.	30c	3.00	....	
Latifolium Atropurpureum		July-Aug.	Bright Crimson	18 in.	30c	3.00	....	
Rubrum		June-Aug.	Brilliant Red	6 in.	30c	3.00	....	
SOLIDAGO	Golden Rod							
Canadensis		Sept.-Oct.	Rich Yellow	4 ft.	30c	3.00	....	Native plants of the easiest culture, graceful panicles of golden yellow flowers invaluable for cutting. Golden Wings is the finest of all the Golden Rods.
Golden Wings		Sept.-Oct.	Golden Yellow	6 ft.	35c	3.60	....	
SPIRAEA	Goats' Beard or Meadow Sweet							
Filipendula Fl. Pl.	Dropwort	June-July	Double White	18 in.	35c	3.60	....	Filipendula fl. pl. is good for front row in hardy border or edging. Graceful plants, both in flower and foliage. The graceful plumes of Venusta are a handsome sight when in full bloom.
Lobata Venusta	Queen of the Prairie	June-Aug.	Pink	3 ft.	35c	3.60	....	
STATICE	Sea Lavender							
Latifolia		July-Sept.	Lavender	2 ft.	30c	3.00	....	Spreading panicles of everlasting flowers which are much prized for Winter decoration. They are graceful plants for the border; require sandy soil and full exposure to the sun.
STOKESIA	Stokes' Aster							
Cyanea		July-Oct.	Pale Blue	18 in.	30c	3.00	15.00	Produces showy Cornflower-like flowers from 4-5 inches across; succeeding in any open position. It is of the easiest culture and is exceedingly attractive in the border or open beds.
Alba		July-Oct.	White	18 in.	30c	3.00	15.00	
SWEET WILLIAM (Dianthus Barbatus)								
Johnson's Giant		June-Oct.	Mixed, extra fine	2 ft.	30c	3.00	15.00	The varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size of flower are far superior, being grown from select seed. Sweet William looks fine in solid beds or masses and requires a good, rich, well manured soil to grow it to perfection.
Nigrescens		June-Oct.	Crimson Black	2 ft.	30c	3.00	15.00	
Pink Beauty		June-Oct.	Single Pink	2 ft.	30c	3.00	15.00	
White		June-Oct.	White	2 ft.	30c	3.00	15.00	
TARRAGON. Common.	For culinary uses				30c	3.00	....	
THALICTRUM	Meadow Rue							
Adiantifolium		June-Aug.	Yellow	8 in.	30c	3.00	....	These stately plants should be more grown on account of their finely cut foliage, which much resembles that of Maiden-hair Ferns. Dipterocarpum is a beautiful and rare plant bearing light sprays of lilac flowers.
Dipterocarpum		Aug.-Sept.	Lilac Mauve	4 ft.	40c	4.20	....	
THYMUS Vulgaris	Thyme	For culinary uses.		12 in.	25c	2.50	....	An old-fashioned plant much prized for its fragrance. It is an evergreen and should be protected in winter in the colder sections.
TRILLIUM	Wake Robin							
Grandiflorum		May-June	White	12 in.	25c	2.50	12.00	One of the most beautiful of our native flowers. Hardy everywhere. Should be planted in partial shade. Splendid for naturalizing in moist shaded places. Flowers are pure white.
VALERIANA	Garden Heliotrope							
Rubra		June-Oct.	Red	2 ft.	30c	3.00	....	These are pretty border plants, easily grown and very useful for cutting. The large flat flower heads, when in full bloom, literally cover the plant.
VERONICA	Speedwell							
Amethystinum		June-July	Blue	2 ft.	30c	3.00	18.00	Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed.
Spicata		July-Aug.	Bright Blue	18 in.	30c	3.00	15.00	
Spicata Alba		June-July	White	18 in.	30c	3.00	15.00	
YUCCA Filamentosa	Adam's Needle	June-July	Pure White	4-5 ft.	40c	4.20	....	A charming plant to group in the hardy flower border, cemetery or as specimens on the lawn.

Salvia Pitcheri is an Excellent Blue Flower for Autumn Effect.

ORNAMENTAL and FLOWERING SHRUBS

BERBERIS THUNBERGII—Japanese Barberry

SHIPPING DIRECTIONS. Shrub orders amounting to $5.00 and over and mixed orders, part shrubs and trees, amounting to $8.00 include prepayment either by express or freight, within limits of Chicago. otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees, Shrubs and Plants shipped subject to customers assuming risk regarding State Entomology requirements.

ABOUT PRICES OF TREES AND SHRUBS

Where the price each is given, the following are our rates for 3 and 12 of a kind.

Each	3 for	Dozen
40c	$1.10	$4.00
45c	1.25	4.50
50c	1.40	5.00
60c	1.70	6.60
65c	1.85	7.20
70c	2.00	7.50
75c	2.15	8.00
80c	2.25	8.50
85c	2.40	9.00
90c	2.50	9.50
$1.00	2.90	11.00

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

No Trees, Shrubs or other perishable stock are sent C. O. D.

Ask for Pamphlet **"Planting Suggestions"** Useful advice **Free**

Visitors are invited to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on C. B. & Q. R.R.), two blocks South of 47th Street, the continuation of East Boulevard.

The Planting Season is limited by climatic conditions and by the stage of growth of the trees and plants. In Spring the planting season begins as soon as the frost is out of the ground sufficiently to permit digging, and continues until about June first. Toward the last of the summer the evergreens are the first to complete their growing season, and are usually ready for transplanting by the end of August. Deciduous trees and plants may be moved as soon as the leaves have performed their functions, which is generally at the time of the first frost in the fall, about the middle of September. The fall season lasts until the ground becomes frozen too hard to allow digging, about December first.

A denotes shrubs which attain 9 to 12 feet in height at maturity.
B denotes shrubs which attain 5 to 8 feet in height at maturity.
C denotes shrubs which attain 1 to 4 feet in height at maturity.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock that is seldom transplanted or never moved from cutting beds until sold.

Specimens. This term is applied to shrubs that are perfect both in height and diameter as well as shape, and are recommended where immediate effect is desired.

Non-Warranty. Most of the failures with trees and plants are due to improper planting, unfavorable soil or weather conditions, or other causes beyond the control of the nurseryman. Beyond the guarantee that all stock is in alive and healthy condition when it leaves our hands, we give no warranty as to description, quality or productiveness of any of the trees, plants, bulbs or seeds that we send out, nor will we be in any way responsible for the results obtained through their use. Every order for articles named in this catalogue will be executed under these conditions only. It is obvious, however, that we can afford to send out only such stock as will not only grow well, but prove true to name and description.

A VIEW OF OUR NURSERIES

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure

ACER Atropurpurum (Japanese Purpleleaved Maple)
ALMOND, DOUBLE-FLOWERING (B)
ALTHEA FRUTEX (Rose of Sharon)
} **Plant in Spring.**

AMELANCHIER (June-Berry or Shad-Bush)

Vulgaris. This variety blooms in early summer. The flowers are white and are followed by black or purplish berries, which are juicy and sweet. The leaves color beautifully in the fall. 2 to 3 ft., **50c.**

AMORPHA (B)

Hardy, free-flowering shrubs, with feathery foliage, adapted to sunny locations. Very valuable for border plantations or for massing on banks and slopes.

Canescens (Lead Plant). A small native shrub bearing light purple flowers in June. 2-year bushy, **60c.**

Fruticosa (False Indigo). This large growing shrub has dense terminal panicles of pretty, odd and attractive bluish flowers in July. 3-year, **75c.**

ARALIA (The Angelica Tree)

The luxuriant, tropical aspect of these plants is extremely charming. The large compound leaves, often 3 or 4 feet long, the huge panicles of creamy white flowers, and, in autumn, the wealth of dark purple berries disposed in numerous globe-like clusters—these constitute some of the glories of the Aralias. They are small trees or bushes, relatively hardy, with the larger or tree-like stems surrounded at the base by smaller, unbranched shoots.

Pentaphylla. (B.) A pretty Japanese shrub of medium size, rapid growth branches furnished with soines, leaves five-lobed. 2 to 3 ft., bushy, **50c.**

Spinosa (Hercules' Club). A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 1½ to 2 ft., **35c;** 2 to 3 ft., **55;** 3 to 4 ft., **75c.**

BERBERIS (Barberry)

The following varieties are all **"safe"** ones. Only the Vulgaris, green-leaved and purple-leaved are harmful as declared by the U. S. Department of Agriculture.

Heteropoda. A handsome and very distinct species. Flowers orange-yellow and fragrant. The foliage is a beautiful dark blue and has a glaucus bloom covering. A really beautiful shrub. Grows 3 to 6 ft. high. A comparativeiy recent introduction. 2 to 2½ ft., extra bushy, **60c.**

Ilicifolia. (Holly-leaved Barberry). (B.) The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly. 1½ to 2 ft., **$1.00;** 2 to 2½ ft., **$1.25;** 3 ft. Specimens, **$1.50.** These prices are for stock with ball of earth and burlapped.

Japonica. In a general way this resembles the Thunbergii, which is ordinarily called Japanese Barberry, but grows taller than the latter, colors up better in fall, and it is especially recommended for winter effect on account of its beautiful red, rusty-brown bark. We recommend this variety. 3 to 4 ft., **50c.**

Thunbergii. (Japanese Barberry.) (B.) One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the fall and winter. It seldom grows over 4 ft. high. It is fine for the edge of a terrace and along roads and walks, and is justly popular as a hedge plant, forming without clipping a low dense hedge of surpassing grace and beauty, or by the free use of the shears, a formal hedge of great density and durability.

Age	Height	Each	Three	Doz.	100
2-year	10 to 15 in.	$0.35	$0.80	$2.50	$14.00
3-year	18 to 24 in.	.50	1.30	4.00	22.50
5-year Specimens		1.00	....	....	.....

PLEASE NOTE: We cannot accept Orders for Nursery Stock for less than $1.00. Cost of labor and material having doubled since 1917, we cannot afford to handle orders for smaller amounts.

BUDDLEYA VARIABILIS VEITCHIANA (Summer Lilac) (B)

A very pretty shrub of spreading pendulous habit, bearing during late summer and fall, long tapering spikes, 20 to 30 in. long, thickly covered with minute tubular lilac-colored flowers. Awarded First Class Certificate R. H. S., London (new). Plant in Spring.

CALYCANTHUS FLORIDUS (Sweet Shrub) (A)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pine-apple fragrance. They bloom in June and at intervals after. 2 to 3 ft., extra bushy, **50c.**

CEANOTHUS AMERICANUS (Jersey Tea) (B)

A small shrub with a profusion of white flowers in crowded panicles, in June. One of the best shrubs for growing in shady places. 1 ft., bushy, **50c.**

CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A hardy vigorous shrub with large glossy foliage and attractive white flowers. Thrives best in moist loamy soil. Very valuable for water-side planting, especially when fully exposed to the sun. 2 to 3 ft., **60c.**

CERASUS (Flowering Cherry) (A)

Padus (Bird Cherry) Bears dense panicles of white flowers in early spring, a very picturesque shrub. 3 to 4 ft., **50c;** 5 to 6 ft., Specimens, **75c.**

Serotina (Wild Black Cherry). A shrub or small tree, covered with white blossoms in Spring, in long loose racemes; purplish black fruit in Autumn. Long narrow leaves. 5 to 6 ft., Specimens, **$1.00.**

CHIONANTHUS VIRGINICA (White Fringe Tree) (A)

Large shrub or small tree, with large, heavy leaves almost hidden in spring by a thick mist of fragrant, drooping white flowers. When planted against evergreens it is one of our very best lawn ornaments. Attains a height of 9 to 15 feet. 2 to 3 ft., **75c.**

CORNUS (Dogwood)

CLETHRA ALNIFOLIA (Sweet Pepper Bush) (A)

A sturdy compact shrub, usually attaining a height of 3 to 5 feet, leaves dark green and lustrous, fading with yellow tones. Flowers creamy white, fragrant, in erect or pinacled racemes. A grand flowering shrub. Thrives in moist loamy soil. 1½ to 2 ft., bushy, **50c;** 2 to 3 ft., bushy, **60c.**

CORCHORUS (Kerria) (B)

(The Globe Flower or Japanese Rose)

Japonica. A shrub 4 to 6 feet tall. Native of Japan. Leaves bright green, fading in autumn with tones of yellow. Flowers numerous, bright yellow, large and showy. A charming old-fashioned plant. 1½ to 2 ft., bushy, **50c.**

Japonica Argentea Var. (B) A pretty dwarf variety with small, green foliage edged white, slender grower, A valuable dwarf shrub. 1 ft., bushy, **50c.**

Japonica Flore Pleno. Double flowered. This fine old shrub should be in all collections. It is of spreading habit. Its double yellow blossoms, which are about 1 inch in diameter appear early in May, one from each leaf axil. It is excellent for massing. 1½ ft., bushy, **50c.**

CORNUS (Dogwood) (B)

Hardy and vigorous shrubs, thriving best in moist, fertile soils. In addition to the showy flowers and fruits which characterize most of the species, they are very attractive objects in winter on account of the brilliant color of the bark of the young shoots and twigs. Valuable for borders and water side planting.

Alternifolia. (Blue Dogwood) (B) A pretty, large shrub; forms almost flat heads. The bunches of white flowers borne in May are followed by deep blue berries. 2 to 3 ft., **55c.**

Mascula. (Cornelian Cherry). (B). One of the earliest of spring blooming shrubs bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries the size of small cherries. 2 to 3 ft., bushy, **60c;** 3 to 4 ft., extra bushy, **75c.**

Sanguinea. (Red-branched Dogwood) (B) Very conspicuous and ornamental. Bark in winter blood-red. 3 to 4 ft., bushy, **60c;** 4 to 5 ft., **75c.**

BECHTEL'S DOUBLE-FLOWERING CRAB

CORNUS—Continued

Sibirica. (Siberian Red Osier) An upright shrub with bright blood-red branches. Native of Siberia. Flowers creamy white in numerous small flat-topped clusters. Fruit light blue or bluish white. Usually 6 to 10 feet tall. Very brilliant, especially in early spring, when the bark is intensely colored. Our stock is very bushy. 2 to 3 ft., **50c;** 3 to 4 ft., **60c;** 4 to 5 ft. **75c.**

Stolonifera. (Red Osier Dogwood). May. Spreading habit; dark red bark and white berries. A very hardy shrub. 4 to 5 ft., extra bushy, **60c.**

Stolonifera Aurea. (Golden-twigged Osier) A variety with golden yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. It is perfectly hardy. 2 to 3 ft., extra bushy, **50c;** 3 to 4 ft., extra bushy, **60c.**

CRAB (Bechtel's Double-Flowering) (A)

Most beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring with large, beautiful double fragrant flowers resembling small roses of a delicate pink. This is the ideal lawn tree for a small yard. 4 to 5 ft., extra fine, **$2.00;** 5 to 6 ft., Specimens, **$3.50** to **$5.00;** 6 to 7 ft. Specimens, **$5.00** to **$8.00.** **(See also Malus Floribunda.)**

CRATAEGUS (Hawthorn)

Carrieri. Foliage dark, glossy green; fruit large, dark red, showy and hangs to tree long into the winter. 4 to 5 ft., **75c.**

Crus Galli. (Hawthorn) (C.) A broad round-topped shrub or small tree with very spiny branches. The large clusters of white flowers are very showy, and contrast strikingly with the shining green leaves. The dull red fruits hang from the branches all winter. 6 to 7 ft., **$1.25.**

CYDONIA (Pyrus)

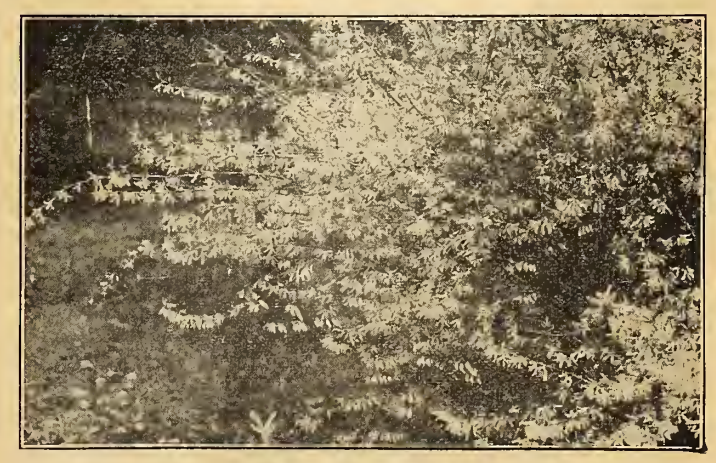
Hardy shrubs with handsome flowers in early spring. They are invaluable for border or garden planting, and make beautiful informal or clipped hedges. The fragrant fruits are often used for making a tart, delicious jelly. They thrive in almost any well-drained soil.

Japonica. (Japan Quince.) (B.) A single shrub on the lawn is very attractive; brilliaut crimson flowers, among the first in spring. Valuable for ornamental hedges. 2 to 3 ft., extra bushy, **50c;** 3 to 4 ft., bushy, **60c;** 4 to 5 ft., Specimens, **$1.00.**

Maulei. A beautiful dwarf shrub bearing a profusion of bright orange-scarlet flowers. A very desirable hardy shrub. 2 to 3 ft., **60c.**

Rubra Grandiflora. Deep crimson flowers, with very showy fruit. 3 to 4 ft., bushy Specimens, **75c.**

Umbilicata. (B.) Flowers brilliant rosy red, succeeded by large showy fruit. One of the finest large shrubs. 3 to 4 ft., bushy **60c.**



FORSYTHIA INTERMEDIA

DEUTZIA—Pride of Rochester

DESMODIUM PENDULIFLORUM (C)

A shrub-like plant which dies to the ground in winter, but comes up vigorously each spring. Bears attractive sprays of bright rose-colored flowers in September. 2-year, **50c.**

DEUTZIA

We are indebted to Japan for this valuable genus of plants. Their hardihood, fine habit, luxuriant foliage and profusion of attractive flowers place them among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August. Of easy culture, thriving in almost any well-drained soil.

Gracilis. **(C.)** A low-growing shrub with slender graceful branches of pure white flowers, free flowering and very sweetly scented. 12 inch bushy, **40c.**

Pride of Rochester. **(B.)** A variety of Deutzia Crenata Flore Pleno, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit; blooms nearly a week earlier. 3 to 4 ft., bushy, **60c;** 4 to 5 ft. Specimens, **80c.**

DIERVILLA. See Weigelia.

DOGWOOD. See Cornus.

ELDER. See Sambucus.

ELEAGNUS (Silver Thorn)

Angustifolia. (Russian Olive.) **(B.)** A large shrub with silvery, often spiny branches. Leaves light green above, silvery white beneath, lanceolate, 2 to 3 inches long. Flowers yellow within, silvery on the outside, fragrant. Berries yellow, coated with silvery scales. 3 to 4 ft., extra bushy, **60c;** 4 to 5 ft., extra bushy, **75c;** 5 to 6 ft., Specimens, **90c.**

EUONYMUS (Strawberry or Burning Bush)

Hardy shrubs with showy fruits, noted for the intense coloring of the fall foliage. They are well adapted for specimen plants or for massing in the shrub borders. They require moist, loamy soil.

Alatus. (Winged Burning Bush). **(B.)** Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn, when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn. 2 to 3 ft., **$1.00;** 3 to 4 ft., **$1.50;** 5 to 6 ft., Specimens, **$4.00** to **$6.00;** 6 to 7 ft., Specimens, **$6.00;** to **$8.00.**

Europaeus. (European Spindle Tree.) A tall, erect shrub or low tree, usually 10 to 15 ft. high. Flowers yellow. Rose-colored fruit. 3 to 4 ft., **60c.**

EXOCHORDA GRANDIFLORA (Pearl Bush) (A)

A vigorous growing shrub, forming a neat compact bush. Pure white flowers borne on slender racemes, on light and wiry branches that bend beneath their load of bloom. Hardy. May. 2 to 3 ft., **50c;** 3 to 4 ft. **65c.**

FORSYTHIA (Golden Bell)

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, and appear very early in spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago Parks. They should be planted where they will receive the full benefit of early spring sunshine.

Fortunei. (Fortune's Forsythia.) **(B.)** A tall shrub with slender arching branches, of garden origin. Leaves, simple or three-parted, dark green and lustrous. Flowers golden yellow, borne in great profusion. Grows 8 to 10 feet high. Very floriferous. 3 to 4 ft., bushy, **60c.**

Intermedia. Flowers bright yellow, glossy green foliage. 2 to 3 ft., extra bushy, **50c;** 3 to 4 ft., extra bushy, **65c;** 4 to 5 ft., Specimens, **75c.**

GUELDER ROSE. See Viburnum Sterilis.

"Planting Suggestions" is the title of a small pamphlet published by us, in which will be found selections of the best and most suitable trees for various purposes and aspects, and the flowering periods of many beautiful Flowering Shrubs, hardy around Chicago. Full planting instructions are also given. It is free on request.

GLEDITSCHIA (Honey Locust) (B)

Triacanthos. (Three-thorned Gleditschia). A rapid growing native tree, with powerful spines and delicate foliage. Used for hedges. 5 to 6 ft., **75c each;** 6 to 7 ft., **$1.00.**

HAMAMELIS VIRGINICA (Witch Hazel) (B)

A hardy shrub with singular bright yellow flowers in late autumn, often after the leaves have been killed by frost. Thrives best in moist, loamy soil, either in full sun or partial shade. 3 to 4 ft., **60c.**

HIPPOPHAEA RHAMNOIDES (Sea Buckthorn) (B)

A large shrub with spine-tipped branches. Flowers yellowish, produced in short clusters in spring. Berries orange or bright orange-red, maturing in early autumn. 3 to 4 ft., bushy, **60c.**

HYDRANGEA

ARBORESCENS GRANDIFLORA "SNOWBALL" (C)

This new American Hydrangea was found growing wild some years ago in the woods of Ohio and is one of the most beautiful hardy flowering shrubs. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of the Lilacs, Syringas, Viburnums and spring-flowering Spiraeas and continues on into August. The panicle is more like a Snowball in form and size than Paniculata Grandiflora (hence the name), and is a pure white. It thrives well in various soils but requires shade. 2-yr., extra bushy, **50c;** 3-yr., extra bushy, **65c.**

Cinerea Sterilis. (Hills of Snow.) Very similar to the preceding, but leaves are silvery white underneath. Very hardy, 2 year, **50c;** 3 year, **65c.**

HYDRANGEA PANICULATA GRANDIFLORA (A)

Tens of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet, and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers. 2-yr., **50;** 3-yr., **60c.**

(Tree Form) (A)

These plants have a clear stem, about 3 feet long, with a bushy top, making a grand show when in flower. Extra selected, 2 ft. stems, **90c;** 2½ ft. stems, **$1.25.**

LIGUSTRUM (Privet)

These are extensively used for hedges and screens and are also planted among other shrubs for the beauty of their flowers and berries. They are hardy and vigorous, thriving in almost any fertile soil and stand clipping.

Ligustrum Amurense. (Amoor Privet.) **(B)** A large shrub with upright branches. Leaves dark green and lustrous, tardily deciduous, or in the South nearly evergreen. Flowers white, in erect panicles. Splendid for hedges. Very similar to the California Privet so universally used for hedging in the east, but unlike it here in that the Amur is hardy.

Height	Each	Three	Doz.	100
2 to 3 ft., extra bushy	$0.35	$1.00	$3.50	$22.50
3 to 4 ft., extra bushy	.40	1.10	4.20	25.00
4 ft. Specimens	.50	....	5.00	....

Ibota. (Chinese Privet.) **(B)** A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens.

Height	Each	Three	Doz.	100
18 to 24 in	...	.....	$3.00	$16.00
2 to 3 ft., bushy	...	.....	3.50	20.00
3 to 4 ft., extra bushy	...	.....	4.00	30.00
4 to 5 ft. Specimens	.75	.....	....	.....

Ovalifolium. (Californian Privet.) **(B.)** Large, broad leaves, and one of the best of all privets but not hardy in vicinity of Chicago. Those residing in Southern states should use it. (Best planted in Spring).

HYDRANGEA—Snowball

LIGUSTRUM—Continued

Regelianum. (Prostrate Privet.) (B) This beautiful graceful Privet is absolutely hardy and most desirable in every way. It is a dense shrub with stiff, twiggy, horizontal spreading branches, drooping at the ends. An excellent shrub for specimens, mass planting or hedges. It forms a graceful, symmetrical bush, sufficiently dense for hedge purposes without trimming. Effective when massed. 2 to 3 ft., bushy, each, **45c**; doz., **$3.50**; 100, **$25.00.**

Vulgare. (European Privet.) (B) Very useful for hedges; can be clipped any shape. Grown as a single specimen it produces panicles of white flowers in June. The foliage is of a lighter green than the other sorts. Its black berries remain on the bush all winter, and are quite ornamental. 2 to 3 ft., each, **40c**; doz., **$3.00**; per 100, **$20.00.**

LILAC (True Syringa) (B)

All our Lilacs are extra bushy.

Alphonse Lavalle. A variety bearing beautiful double flowers of a rare blue color. 3 to 4 ft., **60c each.**

Belle de Nancy. Large spikes of very double flowers of a lovely, pure pink color. 3 to 4 ft., **$1.00.**

Bertha Dammann. Magnificent pure white flowers. 2 to 3 ft., **60c;**

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. 2 to 3 ft., **50;** 3 to 4 ft., extra bushy, **80c.**

Doyen Keteleer. Very large pale lavender spikes. Very fine. 3 to 4 ft., **$1.00.**

Emodi. Of compact growth with beautiful, large, leathery leaves, flowers light lilac, blooms in June. 2 to 3 ft., **70c.**

Japonica. June. A tree form, with glossy, leathery leaves. It is quite hardy, and the yellowish white flowers come after other lilacs are through. 2 to 3 ft., **50c**; 3 to 4 ft., **75c**; 3 ft., standards, **$1.00**; 4 to 5 ft., standards, **$1.25.**

Jeanne d'Arc. Large panicles of pure white flowers. 3 to 4 ft., **75c.**

Josikaea. (Hungarian Lilac.) Has dark lilac-colored flowers. It blooms the first week in June. It is distinct and valuable. 3 to 4 ft., **75c.**

Jules Ferry. An exceedingly pretty Lilac with rosy-carmine buds, opening silvery mauve, 3 to 4 ft., **80c.**

Leon Gambetta. Large, full pyramidal spikes of pure purple, opening pale mauve. 3 to 4 ft., **$1.25.**

Mad. Casimir-Perier. This is the best, double white lilac; immense, compact spikes of double white flowers. 2 to 3 ft., **$1.00.**

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong bushes. 3 to 4 ft., **75c**; 4 to 5 ft., **$1.00.**

Marie Legraye. Large panicles of white flowers. Valuable for forcing. The finest white Lilac. 2 to 3 ft., **60c**; 3 to 4 ft., **75c.**

Michael Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 2 to 3 ft., **60c**; 3 to 4 ft., **75c.**

Persian Purple. Small glossy leaves that do not mildew. Sweet scented flowers. 2 to 3 ft., bushy, **50c**; 3 to 4 ft., **75c.**

President Grevy. Flowers double, large handsome blue trusses. 3 to 4 ft., **75c.**

Souvenir de Ludwig Spaeth. A distinct and most beautiful variety having immense trusses of deep purplish-red with enormous flowers. 2 to 3 ft., **60c**; 3 to 4 ft., extra bushy, **80c.**

Toussaint l'Ouverture. Single, very deep purple flowers. 2 to 3 ft., **75c.**

Vulgaris Purpurea. (Common Lilac.) Bluish-purple flowers. A standard variety. Always good.

Height	Each	Doz.	100
2 to 3 ft	$0.50	$5.00	$25.00
3 to 4 ft.	.60	6.60	40.00
4 to 5 ft.	.75	....	....
5 to 6 ft., Specimens	1.00	....	....

Vulgaris Alba Grandiflora. Flowers pure white and very fragrant. Strong bushes, 2 to 3 ft., **50c each**; 3 to 4 ft., **60c.**

Villosa. A distinct late variety; large panicles of rosy pink flowers. The foliage resembles that of the Chionanthus bush. 2 to 3 ft., **60c.**

Waldeck Rousseau. Fine double flowers of pale rosy lilac. 3 to 4 ft., **$1.00.**

LILACS ON OWN ROOTS

These are hardier and usually live longer than the budded stock. Scarce.

Charles X, the best purple lilac; **Marie Legraye, President Grevy, Souvenir de Ludwig Spaeth.** 2 to 3 ft., **$1.50 each.**

PHILADELPHUS GRANDIFLORUS

LILAC—Marie Lagraye

LINDERA BENZOIN (Spice Bush)

An early flowering hardy ornamental shrub, covered with small yellow flowers which appear before the leaves. A fine shrub for partially shaded places and waterside planting. Most effective when planted in masses. 2 year, **50c.**

LONICERA (Bush Honeysuckle)

Handsome upright shrubs, often with showy flowers and bright berries. They thrive in almost any fertile soil, and in most instances prefer sunny situations. Invaluable for border or mass planting. Other species are described under "Vines."

Alberti. A low shrub with slender graceful branches. Leaves narrow, glaucous, of bluish green, about an inch long. Flowers rosy pink, fragrant, in late spring or early summer. Berries very large, vinous-red, with a glaucous bloom. Well adapted for rock-gardens. 2 to 3 ft., **60c**; 3 to 4 ft., **75c.**

Morrowii. (Japanese Bush Honeysuckle) (B.) A strong, vigorous grower with wide spreading branches, with pure white flowers produced in May and June, followed by brilliant red berries.
2 to 3 ft., extra bushy, **60c**; 3 to 4 ft., extra bushy, **75c.**

Tartarica Tartarian (Honeysuckle). A large shrub with numerous upright or spreading branches. Flowers white or pink, borne in great profusion in late spring. Fruit red or orange, ripening in summer and persisting until autumn. Height 8 to 10 ft.

Tartarica Alba (White Tartarian) (B.) 2 to 3 ft., **50c**; 3 to 4 ft., **60c.**

Tartarica Rosea (Pink Tartarian) (B.) 2 to 3 ft., **50c**; 3 to 4 ft., **60c**; 4 to 5 ft., **85c.**

LYCIUM (Matrimony Vine)

An old-fashioned hardy shrub with a wealth of scarlet berries. It thrives in almost any fertile soil. The long branches may be trained over fences or trellises, but more effective results may be obtained by planting at the top of retaining walls or steep banks and allowing the graceful stem to fall over.

Barbarum. 2 year, **50c.**

MAGNOLIA. Plant in Spring.

MALUS (Pyrus)

Arbutifolia (Choke-Berry). Clusters of small white flowers in May succeeded in August by bright red berries that remain until Winter. Bright crimson autumn foliage. 2 to 3 ft., **50c.**

Coronaria (Wild Crab Apple). A small tree or bush with spreading spiny branches. Leaves heart-shaped, bronze at the time of unfolding, turning yellow or bronze in autumn. Flowers very fragrant, pink, produced in clusters. Fruit yellow-green, fragrant. Frequently used for making preserves.
2 to 3 ft., **50c**; 5 to 6 ft., **$1.50.**

Floribunda (Flowering Crab.) Single flower, beautiful carmine in bud; white when open. May. Fruit red, very ornamental in autumn. One of the most desirable of spring flowering shrubs.
3 to 4 ft., **75c**; 4 to 5 ft., **$1.00**; 6 to 7 ft., Specimens, **$2.00.**

Atro-sanguinea. Flowers crimson, produced in great profusion. A charming variety. May. 5 to 6 ft., Specimens, $1.20; 6 to 7 ft., Specimens, **$2.20.**

Spectabilis Fl. Albo Pleno. (Chinese Double White Flowered Crab.)
5 to 6 ft., **$1.00.**

Niedwetskiana. Handsome pinkish white flowers, grand variety.
4 to 5 ft., **85c**; 5 to 6 ft., Specimens, **$1.00.**

Schiedeckeri (Double-flowering Crab). Flowers double, bright rose, of great substance and durability. Splendid for cut-flowers. 4 to 5 ft., **85c**; 6 to 7 ft., **$1.20.**

MATRIMONY VINE—See Lycium.

MORUS (Mulberry)

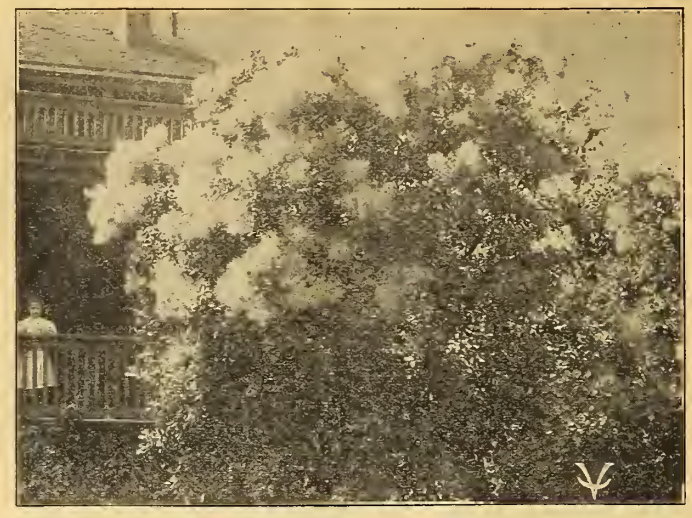
Tartarica. (Russian) 20 to 25 ft. Hardier in the northwest than all others. 3 to 4 ft., each, **50c**; per 100, **$30.00**; 4 to 5 ft., each, **65c**; per 100, **$40.00.**

PHILADELPHUS OR SYRINGA (Mock Orange)

Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

Avalanche (B.) New. The flowers are large, white, very sweet and produced in such profusion that their weight bends the long slender branches almost to the ground, producing a most wonderful effect as if the branches were loaded with new fallen snow. 2 to 3 ft., bushy, each, **65c**; 3 to 4 ft., bushy, **80c.**

Bouquet Blanc. Double or semi-double flowers; very floriferous.
1 to 1½ ft., **25c**; 2 to 3 ft., bushy, each, **60c.**



RHUS CONTINUS (Smoke Tree)

PHILADELPHUS OR SYRINGA—Continued

Conquete. Has very large semi-double flowers of great beauty. Quite distinct. Very free flowering. 2 to 3 ft., each, **60c.**

Coronarius Aureus (Golden leaved Mock Orange). Much prized for its bright effect. 1½ ft., bushy, **60c.**

Grandiflorus (A.) (Large-flowered Syringa or Mock Orange). Without a doubt one of the most popular shrubs grown, and ought to he in every garden, no matter how small. Flowers are pure white, very large and it is one of the most free flowering of the genus. 2 to 3 ft., bushy, **45c**; per 100, **$25.00**; 3 to 4 ft., **60c**; per 100, **$35.00**; 4 to 5 ft., **75c**; per 100, **$50.00**; 5 to 6 ft., Specimens, each, **$1.25.**

Lemoinei Erectus (B.) A charming variety of erect growth; creamy white fragrant flowers, smaller than the other varieties, but very attractive. Distinguished hy its smaller leaves. 2 to 3 ft., bushy, **50c**; 3 to 4 ft., **65c.**

PRIVET. See Ligustrum.

PRUNUS (Plum)

Ornamental and Flowering Varieties.

Pissardi (A.) (Purple-leaved Plum.) A small tree shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint until they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 3 to 4 ft., **60c.**

Spinosa (Blackthorn, Irish Shillelagh.) White flowers horne on solitary peduncles hefore the leaves appear. A well known shruh with branches inclined to he spiny. Round hlack fruit, very acid.
4 to 5 ft., extra bushy, **80c**; 5 to 6 ft., extra bushy, **$1.00.**

Triloba (B.) (Double-flowered Plum.) Native of China. A very desirable addition to hardy shrubs; flowers douhle, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender hranches; flowers in May before the leaves unfold. Bush form, 2 to 3 ft., **75c**; 3 to 4 ft., **90c.**

PTELEA (Hop Tree)

Trifoliata. A large shrub or small tree of rapid growth and robust habit. Fruit winged, and in clusters, flowers in June. Succeeds well in the shade. 2 to 3 ft., **50c**; 3 to 4 ft., **65c**; 4 to 5 ft.. Specimens, **90c.**

RHAMNUS (Buckthorn)

Hardy vigorous shruhs with handsome foliage and showy berries. The larger-growing species are well adapted and often used for hedges, hoth informal and clipped. They thrive in moist, loamy soils, and are not adverse to partial shade.

Catharticus. (A.) A fine, robust shrub, with dark green foliage. white flowers, and small, hlack fruit. A popular hedge plant. 3 to 4 ft., **50c**; 4 to 5 ft., **60c**; 6 to 7 ft. Specimens, **85c.**

Frangula. (Alder Buckthorn) **(B.)** A valuable and decorative species of erect habit with glossy leaves and hlack herries. Its long hlack branches speckled with white are very attractive in winter. 4 to 5 ft., **75c**, 5 to 6 ft. **90c.**

RHODOTYPOS (White Kerria)

Kerrioides (C.) A very ornamental Japancse shrub of medium size with handsome foliage and large single white flowers in the latter part of May, succeeded by numerous hlack herries. 2 to 3 ft., hushy, **each, 50c.**

RHUS (Sumach)

Aromatica (Fragrant Sumach) **(C.)** A low shrub with a peculiar aromatic odor when bruised. Brilliant red foliage in Autumn. 2 to 3 ft., **50c.**

Copallina (Dwarf or Shining Sumach) **(D.)** Beautiful shining green foliage changing to rich crimson in autumn. Greenish yellow flowers in August. 2 to 3 ft., **60c.**

Cotinus (Smoke Tree). A small tree or large shrub with obovate leaves. Flowers pale purple, horne in loose panicles, the pedicels of which soon lengthen and become plumose, lending the smoky aspect which gave to the plant its common name. A highly ornamental ohject. In autumn the foliage assumes hrilliant tones of red and yellow. 2 to 3 ft., **60c.**

Glabra (Smooth Sumach). A shrub or low tree with an open crown. Leaves compound, dark green above, whitened beneath, turning brilliant scarlet in autumn. Flowers in large terminal panicles, soon followed by the crimson fruiting clusters, which persist all winter. Beautiful for massive effects.
3 to 4 ft., **50c**; 4 to 5 ft., **60c.**

RHUS—Continued

Glabra Laciniata (Cut-leaved Sumach). A very striking plant, of moderate size, with deeply cut leaves resembling rich fern leaves; dark green ahove and glaucous helow, and turning to a rich red in autumn.
1½ to 2 ft. **50c**; 2 to 3 ft., **60c.**

Typhina (Staghorn Sumach). A large shrub or tree, hrilliant foliage and scarlet fruit in autumn. 3 to 4 ft., **40c**; 4 to 5 ft., **60c.**

Typhina Laciniata (Fern-leaved Staghorn Sumach). As its name indicates, the branches resemhle the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and as heautiful as a tree fern. A rare novelty originating in the White Mountains. Attains a height of 20 ft., but is generally used as a shrub. It turns a golden yellow in the fall. 2 to 3 ft., **50c**; 3 to 4 ft., **60c.**

RIBES OR FLOWERING CURRANT

Alpinum (B.) An attractive shruh with fragrant golden-yellow flowers and deep scarlet fruit. 2 to 3 ft., extra hushy, **50c**; 3 to 4 ft., **70c.**

Aureum (Yellow-flowering, or Missouri Currant.) **(B.)** A native shrub with glahrous shining leaves and yellow sweet-scented flowers in June.
2 to 3 ft., hushy, **50c**; 3 to 4 ft., hushy, **65c.**

ROBINIA (Acacia)

Hispida (Hairy Locust). A very handsome shruh. The branches closely resemble those of a Moss Rose. The leaves are similar to those of the Locust. In June and July long panicles of rose-colored flowers hang from the branches. 2 to 3 ft., **75c**; 3 to 4 ft., **$1.00.**

ROBINIA PSEUDO (Acacia)

Pseud-acacia (False Locust). A tree with a comparatively narrow crown. Leaves compound, hright green, turning pale yellow in autumn. Flowers white, very fragrant, borne in drooping racemes, expanding in May or June. Adapted to sunny situations in the shruh border.
3 to 4 ft., **35c**; 4 to 5 ft., **50c**; 5 to 6 ft., **60c.**

ROSA (Rose)

Lucida. Single bright pink flowers, with bright red hark and berries in winter. 2 yr., **50c.**

Rubiginosa. (True English Sweet Briar.) This is the true Eglantine. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 2 yr., **40c**; 3 yr., **60c**; 4 yr., **75c.**

Rubrifolia. Valued for its heautiful reddish green foliage, as well as for its pink flowers in early June. 2 yr., bushy, **50c.**

Setigera. (Prairie Rose.) Small single pink flowers and extra fine foliage, sometimes called the hramhle-leaved rose. 2 yr., **50c.**

SALIX (Willow)

The Willows will grow anywhere, hut do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the sea coast.

Britzensis. (Golden Russian Willow.) Short trunk, dense growth of golden yellow hranches; leaves silvery white. 3 to 4 ft., **50c**; 4 to 5 ft., **60c.**

Discolor (Pussy Willow). A small tree with upright or ascending branches. Catkins appearing in early spring before the leaves appear. Very handsome in flower and greatly esteemed. 3 to 4 ft., **50c**; per 100, **$30.00**; 4 to 5 ft., extra bushy, **60c.**

Laurifolia. (Laurel-leaved Willow). A rapid grower, erect iorm, with broad glossy, dark-green leaves; admirahle for sea shore and narrow streets.
4 to 5 ft., **50c.**

Viminalis (Common Osier). Very vigorous; red bark. This is the best willow for tying. 2 to 3 ft., **40c**; 3 to 4 ft., **50c.**

SAMBUCUS (Elder)

Hardy vigorous-growing shrubs with showy flowers and a profusion of berries. They thrive hest in moist loamy soils, and are well adapted for water-side and border planting.

Nigra. (The Black Elder.) A valuable dense shruh for screens or hackground. 3 to 4 ft., **50c**; 4 to 5 ft., **65c.**

Nigra Aurea. (A.) Golden-leaved. The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shruh heds.
3 to 4 ft., extra bushy, **50c**;
4 to 5 ft., Specimens, **70c.**

Nigra Laciniata. (Cut-leaved Elder.) The foliage is deeply cut and incised, lending an airy fern-like aspect. Very attractive.
3 to 4 ft., **50c**; 4 to 5 ft., **75c.**

Racemosa. Attractive red berries in summer.
3 to 4ft., **50c**; 4 to 5 ft., **70c.**

SHAD BUSH. See Amelanchier.

SILVER THORN. See Eleagnus.

SMOKE TREE. See Rhus Cotinus.

SNOWBALLS. See Vihurnum, sterilis.

SNOWBERRY. See Symphoricarpus.

SWEET BRIAR. See Rosa Rubiginosa.

SWEET SHRUB. See Calycanthus.

PUSSY WILLOW (Salix Discolor.)

SPIRAEA

A large group of showy, free-flowering, hardy shrubs. Some of the species bloom in early spring, others in midsummer, while some produce their flowers from summer until fall.

Anthony Waterer. (B.) Perpetual-blooming Red Spiraea. A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom in summer, continuing until fall. Rose red flowers in large, round clusters all over the bush. 1 ft., extra bushy, **60c.**

Arguta Multiflora (Snow Garland). A remarkably floriferous and showy shrub. Leaves narrow, Bright green fading with tones of yellow and orange. Flowers pure white, borne in great profusion in early spring. Height 3 to 5 ft. One of the best of the early Spiraeas. 2 to 3 ft., extra bushy, **60c.**

Billardii. (B.) Pink flowers; blooms nearly all summer. It is a grand subject for planting in masses, and makes a good cut flower. 3 to 4 ft., **60c.**

Callosa Alba. (Fortune's Dwarf White Spiraea.) A white flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 1 ft., bushy, **50c.**

Callosa Froebeli Variegata. A variagated-leaved, free-flowering variety, flowers rose. 1½ to 2 ft., bushy, **60c.**

Opulifolia. (Nine Bark.) A tall shrub with spreading branches, growing 8 to 10 ft. high. Flowers whitish, in early summer, disposed in numerous clusters. Especially valuable for shaded places. 3 to 4 ft., extra bushy, **50c;** 4 to 5 ft., extra bushy, **75c;** 5 to 6 ft., Specimens, **$1.00.**

Opulifolia aurea. (Golden-leaved Nine Bark.) (B.) Golden-yellow tinted foliage, and white flowers in June. Very conspicuous. 2 to 3 ft., **50c.**

Sorbifolia. (B.) A vigorous species, with leaves like those of the Mountain Ash, and long, elegant spikes of white flowers in July. 3 to 4 ft., extra bushy, **65c.**

Thunbergii. (Thunberg's Spiraea.) (B.) Of dwarf habit and rounded, graceful form; branches slender and somewhat drooping; foliage narrow and yellowish green; flowers small, white, appearing early in spring, being one of the first Spiraeas to flower. When in bloom they appear as if covered with snow 1½ to 2 ft., bushy, **50c.** 2½ ft., extra bushy, **75c.**

SPIRAEA—Anthony Waterer

Van Houttei (Bridal Wreath). This is without a doubt the most beautiful and useful of shrubs. Always effective if planted singly or in groups on the lawn, in front of the porch, in shrub borders or in a hedge. Handsome throughout the entire year. Our stock is very large and in splendid condition.

Height	Each	100
2 to 3 ft.....	$0.50	$30.00
3 to 4 ft.....	.65	45.00
4 to 5 ft.....	.85	60.00

SYMPHORICARPUS

(The Coral-Berry, Indian Currant and Snowberry)

Small native shrubs much used in shaded places and in open masses. Grow in almost any soil; quite hardy; very ornamental, when covered with berries.

Racemosus. (Snowberry.) (B.) A graceful shrub, 3 to 5 ft. tall, with slender branches. Flowers white or pinkish, in loose racemes, in summer. 2 to 3 ft., **50c;** 3 to 4 ft., **65c.**

Vulgaris. (Coral-Berry or Indian Currant.) (B.) A grand shrub, producing a wealth of red or purplish berries which remain on the branches all winter. Leaves ovate, bright green. 2 to 3 ft., bushy, **50c;** 3 to 4 ft., bushy, **65c.**

TAMARIX (B)

Shrubs of strong but slender, upright growth, clothed in foliage as light and feathery as that of the asparagus.

Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubbery borders, and valuable for seaside.

Amurense. A splendid hardy variety, with silky pink tassels; flowers all summer. 3 to 4 ft., **50c;** 4 to 5 ft., **65c.**

Hispida Aestivalis. A new variety of vigorous growth. In May the branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time. 2 to 3 ft., **50c;** 3 to 4 ft., **65c;**

VIBURNUM OPULUS (High Bush Cranberry)

VIBURNUM

(The Arrow-woods, High Bush Cranberry and Snowballs)

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries. The foliage frequently assumes brilliant and intense color tones in the autumn.

Carlesii. A dwarf compact shrub, bearing large corymbs of white blossoms, of a strong delicious fragrance, quite surpassing any shrub we know of, and equal to that of a Bouvardia. Very rare. 18 in., **$2.50.** (balled and burlapped).

Dentatum. (Arrow Wood). (B.) May and June. A free-flowering shrub, especially admired for the abundance of its blue fruits that cling to the branches a long time. 3 to 4 ft., extra bushy, **60c.**

Lantana. (Early white Lantana-leaved Viburnum.) (A.) Large, robust shrub, with soft, heavy leaves, and large clusters of white flowers in May, succeeded by red fruit; retains its foliage very late. 3 to 4 ft., **60c;** 4 to 5 ft., bushy, **75c.**

Lentago. (Sheep Berry). Bright green leaves and yellowish white flowers—deliciously scented; black oval berries. 2 to 3 ft., **50c.**

Molle. (Glossy Viburnum). A variety similar to V. Dentatum, but differing from that variety by having larger foliage, is a more robust grower and flowers two to three weeks later. 2 to 3 ft., **60c;** 5 to 6 ft., Specimens, **$1.50.**

Opulus. (High Bush Cranberry.) (A.) May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 3 to 4 ft., extra bushy, **60c;** 4 to 5 ft., extra bushy, **85c;** 5 to 6 ft., Specimens, **$1.25.**

Sterillis. (Old-fashioned Snowball.) Too well known to require description. 2 to 3 ft., **50c.**

WEIGELIA (Diervilla) (B)

Our Weigelias are extra bushy

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shapes with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

Amabilis. Of robust habit. Large foliage and pink flowers. Blooms freely in the autumn. 2 to 3 ft., **50c;** 3 to 4 ft., extra bushy, **65c.**

Candida. White Weigelia, flowering throughout the summer. 2 to 3 ft., **50c;** 3 to 4 ft., **65c.**

Eva Rathke. A charming new Weigelia. Flowers brilliant crimson; flowering throughout the summer. The best of all the Weigelias. 2 to 3 ft., **50c;** 3 to 4 ft., **65c.**

Floribunda. Fine variety, flowers dark red. Profuse bloomer, 2 to 3 ft., **50c.** 3 to 4 ft., **65c.**

Nana Variegata. (C.) One of the most conspicuous shrubs; leaves beautifully margined creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 2 to 3 ft., **60c.**

Rosea. A beautiful shrub, with rose-colored flowers. 2 to 3 ft., **50c;** 3 to 4 ft., extra bushy. **65c.**

WEIGELIA ROSEA

ORNAMENTAL TREES

A BLOCK OF SCOTCH ELMS AT OUR NURSERIES

ASH (Fraxinus)

Americana. (American White Ash.) A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June. A desirable shade tree for street or lawn planting. 6 to 7 ft , **$1.00;** 7 to 8 ft., **$1.25;** 10 to 12 ft., **$2.50**

Viridis. (Green Ash.) A beautiful tree with glossy green leaves and symmetrical habit, rapid growth. A splendid tree for street planting. Prices and sizes same as above.

BOX ELDER (Ash Leaved Maple)

A rapid growing tree with wide spreading branches having bright green leaves, turning yellow in early autumn. 6 to 8 ft., **$1.50.**

Lutea. (Yellow or Gray Birch.) Native of America. Bark yellowish-gray and somewhat silvery. 6 to 7 ft., **$2.00;** 8 to 10 ft., **$2.50.**

Papyracea. (Paper or Canoe Birch.) Native of America; forms a large tree; bark brilliant white, leaves large and handsome. 7 to 8 ft., **$1.75.**

CATALPA

Bungei. (Umbrella Tree.) These beautiful globe-shaped tops being grafted high on clean straight stems form one of the most valuable trees for landscape designing, especially for formal effects. 2 year heads, 5 ft. clear stem, **$3.00;** 6 ft. stem, 3 year heads, **$7.50;** 4½ to 5 ft. stems, 5 year heads, **$6.00.**

Kaempferi. (Japanese Catalpa.) A species of rapid growth, with deep green, glossy foliage. Two weeks later than Syringaefolia. 6 to 7 ft., **$1.50;** 10 to 12 ft., 1½ to 2 inch caliper, **$3.00;** 14 ft., 2 to 2½ inch caliper, **$4.00.**

Speciosa. (Western Catalpa.) One of the most rapid growers, producing large panicles of fragrant white flowers delicately marked with violet and yellow. Reliable, hardy and extensively planted. 6 to 7 ft., **$1.00;** 7 to 8 ft., **$1.25;** 8 to 10 ft., 1½ to 2 inch caliper, **$1.75.**

Syringaefolia. (Common Catalpa.) Native of the Southern States. A showy, rapid-growing, spreading, irregular tree, with very large, heart-shaped leaves. 6 to 7 ft., **$1.50;** 7 to 8 ft., **$1.75.**

ELM (Ulmus)

American. The ideal street tree. We offer shapely trees.

Height	Caliper	Each	Height	Caliper	Each
10-12 ft.	1½ inch	$2.50	12-14 ft.	4 inch	$10.00
10-12 ft.	2 inch	3.00	12-14 ft.	5 inch	15.00
12-14 ft.	2½ inch	4.00	12-14 ft.	6 inch	24.00
12-14 ft.	3 inch	5.00			

Write for prices on larger lots.

AT our Nurseries, Western Springs, Ill., we have one of the largest and finest collections of shade and Ornamental Trees in the Middle west. We wish space in this book would allow us to reproduce a picture of every variety and size that we have from the large blocks of Elms, Maples, Poplars etc., etc., to the matured and shapely 20 and 30 ft. specimens, perfect beauties for the lawn and drives of the finest estates. We cordially invite landscape gardeners, and owners and superintendents of private grounds to come and inspect our stock, make selections, and we will reserve such stock for shipment at the proper time.

All trees 10 feet high or over must be shipped by freight. For other shipping instructions see page 32.

Our Nursery is located at Western springs (15 miles west of Chicago on the C. B. & Q. R. R.) two blocks south of 47 th Street on the continuation of East Boulevard. Where personal selection of any stock is made by customers at our nursery, we always charge according to its value.

On order for trees amounting to $12.00 and over, we prepay freight charges within limits of Chicago, orders for smaller amounts are shipped charges collect.

ELMS—Continued

Campestris Dampieri. (Pyramids.) 10 ft., **$2.50.**

English Elm. (U. Campestris.) Leaves deep rich green, persisting and holding their color longer than any other species. Extensively planted as a shade tree.

Height	Caliper	Each	Height	Caliper	Each
10 to 12 ft.	2 inch	$ 3.50	12 to 14 ft.	3½ inch	$10.00
12 to 14 ft.	2½ inch	4.00	15 ft.	4 inch	20.00
12 to 14 ft.	3 inch	8.00	15 ft.	4½ inch	22.50

This is wonderfully fine stock and this type is much better suited to city conditions than the American Elm, which latter is best for the country.

Huntingdon Elm. (Ulmus Vegeta.) Clean, smooth bark, erect, stately habit. Not as subject to attacks of insects as some kinds, and one of the very best ornamental trees for any purpose. 10 to 12 ft., 1½ to 2 inch caliper, **$2.50;** 8 to 10 ft., **$1.50.**

Monumental Elm. (U. Campestris Monumentalis.) A slow growing variety, forms a straight dense column, reminding one of a Lombardy Poplar. Very distinct and beautiful. 8 ft., **$3.50;** 8 to 10 ft., **$4.50;** 10 to 12 ft., **$6.00;** 12 ft., **$12.50.**

Purpurea. (Purple-leaved.) A variety with large purple leaves in the spring, changing to dark green as season advances. 12 ft., 3 inch caliper, **$7.50;** 12 to 14 ft., 4 inch caliper, **$12.00.**

Scotch Elm. (U. Campestris Latifolia.) A very robust tree with large leaves. One of the best shade trees; highly colored until late autumn.

Height	Caliper	Each	Height	Caliper	Each
8 to 10 ft.	.....	$2.25	12 to 14 ft.	3 inch	$12.00
10 to 12 ft.	1½ inch	4.00	14 to 16 ft.	3½ inch	15.00
10 to 12 ft.	2 inch	5.00	14 to 16 ft.	4 inch	20.00
12 to 14 ft.	2½ inch	7.50	14 to 16 ft.	5 inch	30.00

GINGKO BILOBA (Maidenhair Tree)

THE value of this tree lies in the fact that it is immune from the ordinary attacks of insects and withstands so well the unnatural conditions of our cities. It is highly ornamental on lawns or public grounds. 5 to 6 ft., **$1.25;** 6 to 7 ft., **$2.00;** 8 to 10 ft., 2 inch caliper, **$4.00.**

LINDEN (Tilia)

Americana. (American Linden.) A fast growing, upright, close-headed native tree with large leaves and fragrant flowers. 8 to 10 ft., **$2.25;** 10 to 12 ft., **$2.50.**

Crimean Linden. (T. Dasystila.) A handsome tree with a pyramidal head. Leaves heart-shaped, dark, lustrous green, turning yellow and brown in autumn. 10 ft. 2 inch caliper, **$4.00.**

LOCUST (Robinia)

Pseud-acacia. (Black or Yellow Locust.) A native tree and valuable for its timber as well as ornamental. It is well known for its beauty when loaded with its racemes of creamy flowers in spring. 4 to 5 ft., **40c;** 5 to 6 ft., **50c.**

Honey Locust. (American) (Gleditschia Triacanthus.) A tree of picturesque outline and rapid growth. Thrives on very light soils. 5 to 6 ft., **75c;** 6 to 7 ft., **$1.00;** 7 to 8 ft., **$1.25;** 8 to 10 ft., **$1.50.**

NOTE: We have **15000** Elms in our Nurseries to select from and invite customers interested in large quantities, for estate or subdivision planting to inspect our stock and get our special quantity prices.

ORNAMENTAL TREES

NORWAY MAPLE

MAPLE (Acer)

Geneva. A variety of the Norway from Geneva, N. Y. The foliage takes on a handsome purple tinge in July, retaining it until leaves fall. 8 to 10 ft., 2½ to 3 inch caliper, **$5.00.**

Norway Maple. (Platanoides.) A large, handsome tree, of spreading rounded form. with shiny, deep green foliage. Its compact habit and vigorous growth render it one of the most desirable. 8 to 10 ft., 1½ inch caliper, **$3.25;** 8 to 10 ft.,.2 inch caliper, **$4.00;** 10 ft., 2½ inch caliper, **$5.50.**

Schwedleri. (Schwedler's Purple-Leaved Maple.) A handsome tree with beautiful foliage, in the spring a purplish crimson changing to dark green during the summer and fading to tones of purple, red and brown in the fall. Has the same characteristics as the Norway Maple. 8 to 10 ft., **$3.50;** 10 ft., 2 inch caliper, **$7.50;** 12 to 14 ft., 2½ inch caliper, **$8.50.**

Silver Maple. (Dasycarpum.) Very fast grower, makes dense shade and thrives in any soil. We offer especially fine trees for street planting. 6 to 8 ft., **$1.00;** 10 to 12 ft., **$2.00.**

Wier's Cut-leaved Silver Maple. (Dasycarpum Wierii.) One of the most remarkable and beautiful trees with cut or dissected foliage. A rapid grower with long, slender drooping branches, often sweeping the ground. Foliage is abundant, silvery underneath, deeply and delicately cut. 6 to 8 ft., **$1.50;** 8 to 10 ft., **$2.50.**

Mountain Ash (Sorbus)

European Mountain Ash. A small pretty tree with pinnate leaves, laden until winter with large clusters of red berries. Examine for borers in spring and autumn. 10 to 12 ft., **$2.50.**

Plane (Platanus)

London Plane. (Orientalis.) A large and lofty tree with massive branches forming a wide orown. Foliage a bright green, flowers pendulous, the latter about one inch in diameter. A rapid-growing and beautiful tree with picturesque gray or white bark. Extensively used for street and park planting in cities where there is much smoke. 5 to 6 ft., **$2.00;** 6 to 7 ft., **$2.50;** 8 to 10 ft., **$3.00;** 10 to 12 ft., 2 to 2½ inch caliper, **$5.50.**

LOMBARDY POPLAR
The ideal tree for screens

POPLAR (Populus)

Rapid growing trees of great hardiness, extensively used for windbreaks, street trees and ornamental planting. They thrive in almost any soil, but attain their greatest proportions in moist rich loam.

Angulata Cordata Robusta. (New.) A remarkable tree of compact and pyramidal shape. Very distinct from any other poplars. Suitable for shade or ornamental purposes. Much better than P. Carolina and is rarely attacked by the borer. The branches are plume-like, which give a graceful appearance. Strong, robust grower and very hardy. 8 to 10 ft., **$1.00;** 8 to 10 ft., 2 inch caliper, **$1.25;** 10 to 12 ft., 2 to 2½ inch caliper, **$2.50.**

Bolleana. Grows 60 to 80 feet high. Similar in habit to the Lombardy Poplar; very emphatic and a distinct-looking tree; has silvery white foliage. 5 to 6 ft., **$1.25;** 6 to 7 ft., **$1.50;** 7 to 8 ft., **$2.00.**

Carolina Poplar. Of rapid growth. Very desirable when quick shade is wanted. 6 to 8 ft., **60c;** 8 to 10 ft., **$1.00;** 10 to 12 ft., 2 to 2½ inch caliper, **$2.50.**

Lombardy Poplar. A tall columnar tree of picturesque and very formal aspect. One of the characteristic trees of Lombardy and other parts of Italy. Widely planted; a very rapid-growing and hardy tree. Leaves triangular, the borders serrate, dark green, borne on flattened petioles, moving freely in the wind. 6 to 7 ft., **60c;** per 100, **$30.00;** 8 to 10 ft., **85c;** 10 to 12 ft., **$1.25;** 12 to 14 ft., **$2.00.**

Tree of Heaven

Tree of Heaven. (Ailanthus Glandulosa.) A lofty rapid-growing tree from China, with long elegant feathery foliage exempt from all diseases and insects. One of the most distinct ornamental trees with pinnate foliage. Flowers in large panicles followed by dense fruit clusters which are highly colored in autumn. Thoroughly hardy and has ability to withstand the smoke and gasses of the city. 5 to 6 ft., **60c;** 8 to 10 ft., **$1.00;** 10 to 12 ft., **$2.00.**

Walnut

Sieboldii. A perfectly hardy tree of rapid growth and handsome outline. Nuts produced in clusters. A fine ornamental tree. 5 to 6 ft., **$1.25;** 6 to 7 ft., **$1.50;** 7 to 8 ft., **$2.00.**

SPECIMEN TREES

If larger sizes are required than are specified on these pages, customers will please write us for prices. Orders for large trees to be lifted with frozen ball of earth, should be given not later than October 30th. We have some splendid specimen Elms in these large sizes.

CONIFERS and EVERGREENS

EVERGREENS include some of the most beautiful trees in cultivation, and varieties may be selected which are adapted to almost any soil or climate. We are giving attention to the propagation and culture of perfectly hardy species and varieties which are the most useful to the general planter, and the list offered below comprises those most in demand as individual specimens and for windbreaks. As individual specimens for lawn planting, it is difficult to imagine anything more stately and beautiful. As screens against objectionable objects and for windbreaks and hedges, nothing is to be had which will give as thick and dense foliage during the entire season.

All of our Evergreens are transplanted every two years, and to insure against loss in handling, each will be lifted with a ball of earth and the roots wrapped in burlap.

To be successful. transplanting should be done at a time when the trees are dormant. This permits of planting during **September** or in the early spring, April or May.

We advise the planting of the larger specimens quoted. By this means you get immediate results, which otherwise would take time to obtain.

ABIES (Firs)

Brachyphylla. (Nikko Fir.) A fine hardy fir, of open habit and rapid growth. Fine for groups or specimens on lawns, etc. 3 ft., **$5.00;** 4 ft., **$6.00;** 5 ft., **$7.50.**

Douglasii. (Douglas' Fir.) A fine rapid-growing fir, for extensive planting, windbreaks, etc., or as individual specimens. A most valuable timber tree. 2 ft., **$1.50;** 3 ft., **$2.50.**

JUNIPERS AND CEDARS

Canadensis. (Canadian Juniper.) Of low spreading, irregular form with foliage of light green. Valuable for rockeries and slopes. 4 ft., **$5.00,** 5 ft., **$7.50.**

Communis Hibernica. (Irish Juniper.) Now becoming one of the best-known and most popular forms of our common Juniper. Of uniform, rapid growth, requiring but little trimming. 12 to 15 inch, **$1.00;** 3 ft., **$3.00;** 3½ ft., **$3.50.**

Japonica. Foliage beautiful glaucous green, regularly interspersed with branches of a pure white. A distinct, rare and beautiful variety. 18 by 18 inch, **$3.25;** 2 ft. by 2 ft., **$4.00.**

(continued on next page)

CONIFERS and EVERGREENS

We have KOSTER'S BLUE SPRUCE in all sizes from 2 to 12 ft. high

JUNIPERS AND CEDARS—Continued

Pfitzeriana. One of the best Junipers. Makes rapid growth. Boughs are of a thick, rich green, and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rock gardens, where perpetual green is desired. It attains a height of about 12 ft. 6 ft. by 5 ft., specimens, **$18.00**; 7 ft., **$20.00** to **$25.00**; 8 ft., **$30.00** to **$40.00.**

Sabina. (Cedar or Savin.) A dwarf spreading evergreen, with trailing branches suitable for rock work. 10 to 12 inch, **$2.00.**

Virginia. (Red Cedar.) A rapid, erect grower, with bright rich green foliage. Very ornamental. 1 to 1½ ft., **$1.00**; 1½ to 2 ft., **$1.50**; 2½ ft., **$2.50.**

Virginiana Elegantissima. A distinct and beautiful variety of the Red Cedar, with golden bronze foliage; particularly attractive in winter, when the golden bronze of the young growth is contrasted with the dark green of the older. 3½ ft., **$7.50**; 4 ft., **$10.00.**

Virginiana Glauca. (Blue Virginia Cedar.) A vigorous growing variety, with foliage of silvery tinge, compact and conical in form. Makes a fine tree. 2 ft., **$4.00**; 3 ft., **$5.50**; 4 ft., **$6.50.**

Virginiana Schottii. Best of all the upright green Junipers; fine pyramidal form with foliage of a peculiar bright green. 4 ft., **$5.00**; 5 ft., **$6.00.**

Owing to the scarcity of Boxwood and Bay Trees, imported from Europe in large quantities previous to the war, Evergreens have been substituted with splendid results as Porch and Wall Specimens, or grouped in porch boxes for autumn and winter use. We can advise the best kinds to use for these purposes and supply shapely bushy specimens for such uses.

Koster's Blue Spruce

Pungens Glauca Kosteriana. (Koster's Blue Spruce.) Notable variety from the Rocky Mountains and the most valuable conifer for ornamental planting. A rapid, vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Koster Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock.

The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

Height	Each	Height	Each
2½ ft.	$ 6.00	6 ft.	$20.00 to $25.00
3 ft.	7.50	7 ft.	28.00 to 35.00
5 ft.	15.00	8 ft.	40.00 to 50.00

These are always "specimens."

Pungens Glauca. (Colorado Blue Spruce.) Similar to but not so blue and dense as the preceding. 1 ft., **$1.25**; 1½ ft., **$1.50**; 4 ft., **$10.00.**

These can only be shipped to points in the State of Illinois, to no other states.

LARIX (Larch)

Europaea. (Common European Larch.) A hardy, decuiduos conifer, of rapid growth with fine needle-like leaves. A valuable timber tree, and fine for mixed plantations. 4 to 5 ft., **$2.50**; 5 to 6 ft., **$5.00**; 7 to 8 ft., **$7.50.**

PICEA (Spruce)

Excelsa. (Norway Spruce.) A tall and beautiful tree, the most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak. 1 to 1½ ft., **60c**; 2 ft., **$1.00**; 3 ft., **$3.00**; 4 ft., **$5.00**; 10 ft. specimens, **$15.00** to **$20.00.**

PICEA (Spruce)—Continued

Excelsa Nigra. (Black American Spruce.) A small or medium size tree; a native of North America, of great hardiness, and particularly useful for planting in the Northern States. 1 to 1½ ft., **75c**; 2 ft., **$1.25.**

Omorika. (Servian Spruce.) A distinct and remarkably ornamental species of dense growth, with narrow outline, having shiny leaves of dark green with white lines above. 4 to 5 ft., **$5.00**; 5 to 6 ft., **$7.50.**

PINUS (Pines)

Strobus. (White Pine.) A very beautiful and graceful pine, regular in form with horizontal boughs and dark green foliage, growing quite tall, surmounted by a symmetrically formed crown. 1½ to 2 ft., **$1.25**; 2 to 3 ft., **$1.50**; 3 to 4 ft., **$3.00**; 4 to 5 ft., **$4.00.**

TAXUS (Yew)

Cuspidata. (Japanese Yew.) One of the hardiest, of spreading habit, foliage light green. 2 ft., **$4.00**; 3 ft., **$5.00**; 4 ft., **$6.00.**

THUYA (Arborvitae)

Occidentalis. (American Arborvitae.) A very pretty shapely tree of pyramidal form. The foliage is a fresh vivid green, mellowing to a softer shade on the under side of leaf, turning in winter to a bronze. 1 to 1½ ft., **75c**; 1½ to 2 ft., **$1.00**; 2 ft., **$1.50**; 3 ft., **$1.75.**

Occidentalis Globosa. A round compact form, deep green foliage. Very shapely as specimens. 15 by 15 inch, **$2.00**; 18 by 18 inch, **$3.00.**

Occidentalis Rosenthalli. Hardy compact grower with dense foliage of dark green. 2 to 2½ ft., **$3.00.**

Occidentalis Spiralis. Very hardy and upright, compact growth. 3 ft., **$3.00.**

Occidentalis Warriana. The hardiest of American Arborvitae, although of somewhat slower growth; it has a most beautiful dense and symmetrical form with a rich dark green foliage. 1 ft., **75c**; 2 ft., **$1.50**; 3 ft., **$3.00.**

THUYOPSIS

Standishi. (Japanese Arborvitae.) A beautiful and attractive species with short horizontal branches, and bright green foliage. This tree grows especially well in moist localities. 2 to 2½ ft., **$2.50**; 4 ft., **$5.00**; 5 ft., **$6.00.**

TSUGA (Hemlock)

Canadensis. (Canadian Hemlock.) A tall and graceful tree with drooping spreading branches of dark glossy green foliage. 1½ to 2 ft., **$2.25.**

JUNIPERUS PFITZERIANA
A Graceful Specimen for Lawn or Mixed Border

Vaughan's Fruit Trees

FOR FALL PLANTING

APPLE TREES

PRICES and SIZES } **On Apples and Crab Apples: 4 to 5 ft., 75c; 5 to 6 ft., 85c; 6 to 7 ft., $1.00; 7 to 8 ft., $1.50; 8 to 10 ft. specimens, $2.00 to $3.00.**

We can only supply such sizes as are given with the various varieties.

Autumn Strawberry. Red stripes. very white flesh. Bears young. 4 to 5 ft. 5 to 6 ft., 6 to 7 ft., 7 to 8 ft., and 8 to 10 ft. specimens.

Baldwin. Large roundish, deep bright red; juicy, crisp, sub-acid, good flavor; very productive of fair, handsome fruit. One of the most popular commercial, varieties in northern states. Dec. and March. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft.

Banana. Large clear yellow, fine quality. 4 to 5 ft., 6 to 7 ft., 7 to 8 ft., 8 to 10 ft.

Ben Davis. Large, handsome, striped, productive; a large keeper. Tree remarkably healthy and vigorous. A profitable market sort. Dec. to March. 4 to 5 ft., 6 to 7 ft., 7 to 8 ft., 8 to 10 ft.

Black Ben Davis. Stronger, hardier, and a hetter drought resister than Ben Davis; fruit large, solid, deep dark red. A very heavy cropper, and splendid shipper. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft.

Delicious. A remarkable variety introduced in the West several years ago where it is being largely planted and rapidly taking first rank. Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp, melting; very highest quality. Splendid keeper and shipper. 4 to 5 ft.

Duchess of Oldenburg. Tree a strong grower, young and abundant bearer. Fruit large, yellow streaked red, rich sub-acid flavor, juicy and good. Valuahle in all sections for both market and home use. Early Sept. 4 to 5 ft. and 5 to 6 ft.

Early Harvest. Medium to large; pale yellow; tender with a mild, fine flavor. An erect grower and a good bearer; excellent for orchard and garden; one of the first to ripen. August. 4 to 5 ft. and 6 to 7 ft.

Gano. Large, roundish, dark brilliant red; flesh yellow, fine-grained, tender, pleasant, mild, suh-acid. A good shipper and late keeper. Tree a vigorous grower and very productive. Superior to Ben Davis, which it resemhles. Feb. to March. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft., 8 to 10 ft.

Grimes' Golden. Greatly prized as a hardy variety, producing annual crops. Medium, roundish oblate; rich golden yellow, with small dots; flesh yellow, juicy, tender, rich, sprightly sub-acid, with a fine aroma. Dec. to Feb. 4 to 5 ft., 5 to 6 ft., and 7 to 8 ft.

Jonathan. Medium, pale yellow, nearly covered with brilliant stripes of lively red; flesh white, juicy, spicy, sub-acid, fine grained, rich. Tree a slender grower, very productive. An excellent fruit; favorite market variety. Nov. to April. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., and 8 to 10 ft.

Maiden's Blush. Rather large, smooth, with a fine evenly shaded red cheek or flush, on a clear, pale yellow ground; flesh white, tender, sprightly with a pleasant, suh-acid flavor; bears large crops. Valuable market sort. Sept. and Oct. 4 to 5 ft., 6 to 7 ft., 8 to 10 ft.

McIntosh Red. Large; skin yellow, nearly covered with bright red; flesh white tender and juicy. Tree very hardy. Nov. to Feb. 4 to 5 ft., 6 to 7 ft., 7 to 8 ft., and 8 to 10 ft.

Newtown Pippin. Green Newtown Pippin. Medium roundish; dull green, with a hlush on the sunny side; flesh greenish white, juicy, crisp with a fine aroma and delicious flavor. Slow grower; requires high cultivation. Dec. to May. 4 to 5 ft., 5 to 6 ft., and 6 to 7 ft.

Northern Spy. Large, somewhat ribbed. Flesh white and tender, with a mild suh-acid, rich and delicious flavor. The tree should be kept open by pruning, so as to admit the air. Jan. to June. 4 to 5 ft., and 7 to 8 ft.

Northwestern Greening. Yellow, smooth, rich, of good size, resembling Grimes' Golden in shape and color; good quality and an extra long keeper. Tree hardy, vigorous, ahundant annual bearer. Does well in this vicinity. Jan. to June. 4 to 5 ft., and 7 to 8 ft.

Red Astrachan. Large, beautiful deep crimson, overspread with a thick bloom; juicy, rich, acid, productive. One of the best summer apples. August. 4 to 5 ft., 6 to 7 ft., and 8 to 10 ft.

Rome Beauty. Large; yellow and bright red; handsome; medium quality, good bearer. Dec. and March. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., and 7 to 8 ft.

Salome. Tree a strong grower; holds its fruit firmly; early and annual hearer; fruit of medium and uniform size; quality very good, which it retains even into summer. May and June. 4 to 5 ft., and 7 to 8 ft.

Snow. (Fameuse). Medium size, roundish, handsome, deep crimson; flesh snowy white, tender, juicy, highly flavored and delicious. Productive and hardy. Nov. to Feb. 4 to 5 ft., 5 to 6 ft., and 6 to 7 ft.

Spitzenburg. Large, oblong and tapering; skin smooth, bright red, with numerous russet dots; flesh yellow, crisp, juicy, with a brisk, rich flavor. A moderate bearer. Dec. to Feb. 4 to 5 ft., 6 to 7 ft., and 7 to 8 ft.

Wagener. Medium to large, roundish oblate; yellow, shaded and marked with red, often full deep red; flesh yellowish, tender, aromatic, mild sub-acid. Nov. to Feb. 4 to 5 ft., 6 to 7 ft., 7 to 8 ft., and 8 to 10 ft.

Walbridge. Medium, handsome, striped red; flesh crisp, tender, juicy. Tree vigorous grower. Especially desirahle in cold sections for its hardiness and productiveness. March to June. 4 to 5 ft., 7 to 8 ft., and 8 to 10 ft

Wealthy. Healthy, hardy and very productive. Medium, yellow, shaded with deep red in the sun, splashed and spotted in the shade. Flesh white, fine, tender, juicy, lively suh-acid; very good. One of the most desirahle winter varieties. Oct. to Jan. 4 to 5 ft., and 5 to 6 ft.

Winesap. Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in the west. Dec. to May. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft., and 8 to 10 ft.

Wolf River. A handsome apple, originating at Fremont, Wisconsin. Fruit large, greenish yellow, shaded with crimson; flesh white, half tender, juicy, pleasant, mild sub-acid, with a peculiar spicy flavor. Jan. and Feb. 4 to 5 ft., 6 to 7 ft., 7 to 8 ft., and 8 to 10 ft.

Yellow Transparent. One of the most desirahle early apples in cultivation. Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy, fruit pale yellow, good size and good quality; skin clear, white at first, hecoming a beautiful pale yellow when fully matured. July and Aug. 4 to 5 ft. only.

Crab Apples

The Crah Apple has many points of excellence. It makes a fine ornamental tree, perfectly hardy, and will grow in any kind of soil. It hears very early and every year. Unequalled for jelly and for vinegar, dried or preserved.

Early Strawberry. Greenish yellow, carmine stripes, good quality. 4 to 5 ft., and 8 to 10 ft.

Florence. Pinkish red, faintly striped with a dark red, wherever shaded it shows a deep yellow. The flesh is yellow; crisp, tender, juicy, brisk, sub-acid. The most profitable grower. 4 to 5 ft., and 7 to 8 ft.

Hyslop. The fruit is covered with brilliant carmine to dark purplish red, overspread with a thick hlue hloom. It is roundish, uniform shape; large size for a crab. Good for jellies and cooking purposes. 4 to 5 ft., 5 to 6 ft., and 7 to 8 ft.

Siberian. Large, golden yellow; very popular. September. 4 to 5 ft.

Sweet Orange. A seeding of the old Orange Crab, and resembles it somewhat, though more flat in shape and a lighter color. It is one of the most delicious fruits to eat out of the hand. September. 4 to 5 ft. only.

Transcendant. An old variety, well known for its bright red color, good size, and juicy, crisp yellow, suh-acid flesh; roundish oblong shape. Very good for culinary uses. 4 to 5 ft., 5 to 6 ft., and 8 to 10 ft.

Whitney. One of the largest, glossy green splashed carmine. Firm, juicy, pleasant, great hearer. August. 4 to 5 ft., 7 to 8 ft., and 8 to 10 ft.

Dwarf Apple and Pear Trees

The Dwarf Apple and Pear trees come into bearing much earlier than the Standard trees. Their low, broad heads are within reach so that the fruit can be easily picked. These trees take up so little room that they can be planted in the garden, or even on the lawn, and with care will bear good crops within three or four years. The fruit is of extra high quality. Dwarf trees are secured by budding apples on paradise pears or quince. List of varieties and prices will be mailed on repuest.

Cherries

Any of the following: Each, 75c for 4 to 5 ft. trees.

Dyehouse. Largely planted for early market, ripening a week before Early Richmond. Early annual bearer, productive, fine size, good quality. Acid. June.

Early Richmond. Medium size, dark red; melting, juicy sprightly acid flavor. This is one of the most valuahle and popular of the acid cherries for cooking purposes and production. June.

Montmorency. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond. Late June.

Windsor. Fruit large, liver-colored; flesh remarkahly firm, sweet and of fine quality. Tree hardy and very prolific. Very valuable late sort. July.

Wragg. Claimed to be much hardier than English Morello, which it closely resembles. July.

All specimen fruit trees will be pruned before shipping unless our customer expressly states that he does not wish this done.

When personal selection of stock is made by customers at our Nurseries, we always charge according to its value.

VAUGHAN'S FRUIT TREES—Continued.

Pears

Bartlett. The most popular summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, and early and abundant bearer. August and September. 4 to 5 ft., **75c**; 6 to 7 ft., **$1.00.**

Clapp's Favorite. Very large, yellow and dull red; very fine. August. 4 to 5 ft. **75c.**

Duchess. Grafted on Quince, on which it does best. A fall pear, large fruit, rich and juicy. A popular market variety. 4 to 5 ft., **75c.**

Early Harvest. Early. Good size. 4 to 5 ft., **75c.**

Flemish Beauty. Large, juicy, rich. Sept. and Oct. 4 to 5 ft., **75c.**

Kieffer. Good for preserving and canning; extra large; good bearer. 4 to 5 ft., **75c.**; 5 to 6 ft., **90c.**

Koonce. Thoroughly tested for several years. Has produced good crops when all other varieties were killed by frost. Fruit medium to large, yellow with carmine cheek; quality good; ripens in time for the earliest market. July and August. 4 to 5 ft., **75c**; 5 to 6 ft., **90c.**

Seckel. Small, yellowish brown, red cheek; best to eat out of hand, or pickle. 4 to 5 ft., **75c.**

Plums

Compass. (New.) A cross between the Sand Cherry and Miner Plum. Very prolific, the fruit being large, bright red, sweet and juicy. On account of its hardiness, very desirable for Northern sections. 4 to 5 ft., **85c.**

Abundance. This is the plum for you, if you try but one. Lemon yellow ground, nearly overspread with cherry; flesh yellow. August. 4 to 5 ft., **75c.**

Plums—Continued

Burbank. The best and most profitable among growers for market. Tree hardy, sprawling, vigorous grower, unequaled in productiveness; fruit large, excellent quality, cherry red with lilac bloom. August. 4 to 5 ft., **85c.**

De Soto. Very hardy, bright red. September. 4 to 5 ft. **75c**; 7 to 8 ft. specimens, **$1.75.**

Shropshire Damson. Of fine quality; flesh is amber-colored, juicy and sprightly; seldom attacked by the curculio. 4 to 5 ft., **75c.**

Wolf. Very popular, large, immensely productive. August. 4 to 5 ft., **75c.**

Quince

Meech. A vigorous grower and immensely productive. This fruit is large, lively orange yellow, of great beauty and delightful fragrance. Its cooking qualities are unsurpassed. 4 to 5 ft., **$1.00.**

Orange. Large, bright yellow, fruit of excellent flavor. 4 to 5 ft., **$1.00.**

PEACHES—These should not be planted until spring. For varieties and prices see our 1920 Spring Catalogue. Ready January 1.

RHUBARB

VAUGHAN'S MAMMOTH RHUBARB ROOTS

1 year, each, 10c; doz., **$1.00**; per hundred, **$6.00.**
2 year, each, 15c; doz., **$1.50**; per hundred, **$12.00.**
Extra strong clumps, for forcing, **each, 50c**; per doz., **$5.00.**
Mammoth size, each, 75c; doz., **$8.00.**

SMALL FRUITS

Blackberries

Price (except where noted), each, **20c**; per doz., **$1.00**; per 100, **$3.75.**
If to go by mail, add 10c per dozen; 35c per 100, for postage.

ANCIENT BRITON. Large berries of excellent quality, very prolific. Vigorous, healthy, and one of the hardiest of all.

Eldorado. Vigorous and hardy. Berries large, jet black.

Himalaya Giant. (New.) Vigorous grower; canes sometimes reaching 30 to 40 feet; must be trained on trellis. Fruit large, black; has yielded as much as 400 crates per acre. Dozen, **$1.25**; per 100, **$7.50.**

Snyder. Hardy, enormously productive, medium size, sweet and juicy.

Stone's Hardy. Best variety for the north; fruit rich and melting.

Currants

☞These can only be shipped to points in Illinois.

Price, (except where noted) 2-year, each, **30c**; 3 for **70c**; doz., **$2.50.**

If to go by mail, add 3c each for 2-year and 5c each for 3-year plants. The larger plants **should be expressed.**

Boskoop Giant. (Black.) This famous currant of strong growth and free-bearing quality is in great demand, being especially adapted for preserving.

Cherry. The largest of all red currants; bunches short.

Fay's Prolific. (Red.) The leading market variety. Extra large berries of uniform size, exceedingly productive.

Lee's Prolific. (Black.) The fruit varies from small to very large. The bush is rather short and dwarf. 2 and 3-year, prices as above.

North Star. (Red.) Bright in color; early and prolific.

Perfection. (New.) (Red.) Very large. A very productive variety with berries about as large as grapes; mild in flavor and free from sharpness. Each, **40c**; 3 for **$1.00**; doz., **$3.60.**

Red Dutch. The old well known red currant. Berries medium size, dark red.

White Dutch. A popular currant, abundant producer.

Gooseberries

☞These can only be shipped to points in Illinois.

Price, 2-year plants, **by express,** each, **30c**; 3 for **75c**; doz., **$3.00.**

Downing. Largest of our native Gooseberries; pale green; very sweet.

Houghton. Well known, medium size, pale red, very productive.

Red Jacket. It is the best Red Gooseberry in existence; has good foliage, mildew proof; yields well; smooth, bright red color and of excellent quality.

Transparent. Large, yellowish green fruit. Very juicy and excellent flavor.

Grapes

Price (except where noted), 2-year, **by express,** each, **50c**; 3 for **$1.40**; doz., **$5.00**; 3-year extra heavy, **by express,** each, **65c**; 3 for **$1.85**; doz., **$7.20.**

Agawam. (Red or Maroon.) Bunch usually loose; shouldered; berries large; skin thick, flesh pulpy, meaty, juicy and of a rich aromatic flavor; ripens about time of Concord; a good keeper. Vine a strong, rank grower, hardy and productive; should be pruned, leaving long canes.

Brighton. Dark red, bunches large; medium size, skin thin, flesh tender. Must be grown with other sorts, as it does not pollenize itself.

Campbell's Early. A grape in all respects better adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; black, with light purple bloom; skin thin; flavor rich and sweet. 2-year-old vines, **by express,** each, **60c**; 3 for **$1.70**; doz., **$6.00**; 3-year-old, **by express,** each, **75c**; 3 for **$2.15**; doz., **$8.00.**

Catawba. Bunches large and loose; berries large, of coppery red color, becoming purplish when well ripened.

Concord. Well known, reliable, deep purple.

Delaware. Bunches small, compact, shouldered; fruit small, round; skin thin, light red; flesh very juicy.

Diamond. The leading early white grape. Bunch medium, variety large white with rich yellow tinge; juicy, almost free from pulp.

Niagara. Vine hardy; unusually strong grower; fruit light greenish white, slightly ambered in the sun; skin thin tough; sweet to center.

Moore's Early. Bunch medium; berry large, round, black, with a heavy blue bloom; vine hardy and moderately prolific.

Worden. Black, handsome, compact bunch; ripens earlier than Concord.

Raspberries

Price (except where noted), each, **20c**; doz., **$1.00**; per 100, **$3.75.**
If to go by mail, add 10c per doz., 50c per 100 for postage.

Colossal. Truly colossal fruit; dark red berries, sub-acid flavor.

Columbian. Valuable and profitable. The fruit is cone-shaped of dark red.

Gregg. Large black cap; heavy bearer.

Loudon. It is almost ever-bearing; fine deep red fruit; large and prolific.

Kansas. The best of all black caps; berries large or larger than the Gregg.

Older. Of strong growth; fruit of a shiny coal black without bloom; rich, juicy.

St. Regis. (New Ever-Bearing Raspberry.) Gives raspberries for four months the first year planted. The berries are large and of very fine quality, rich and sugary, and keep longer after picking than any other red raspberry. They are of a bright crimson color, and firm, meaty substance. **Awarded the highest certificate of merit by the American Institute of New York. Strong, transplanted canes.** Per doz., **$1.25**; 25 for **$2.00**; per 100, **$7.50.**

The Herbert. (New.) A very strong grower, hardy and very productive. Fruit large to very large, conical, bright to rather deep red, moderately firm; sweet and sub-acid, juicy and of good flavor. The best Red Raspberry up to the present time. Price, same as St. Regis.

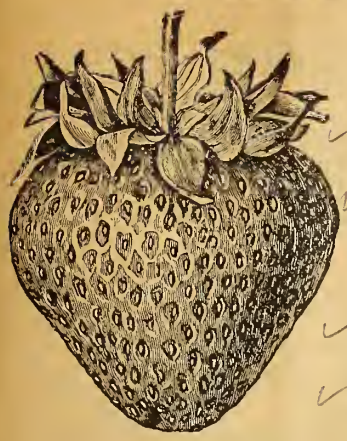
VICTORY—The Great New Red Raspberry

Victory is a seedling of the Cuthbert, one of our best old raspberries, and resembles that grand variety. Victory has produced regularly for several seasons nearly twice as much fruit as Cuthbert, bush for bush, and acre for acre, grown in the same field, under exactly the same conditions. Victory berries are very much larger than Cuthbert and of better quality and flavor. Ripens a week ahead and continues to fruit two weeks later than Cuthbert. Victory **is a money maker,** fruit having sold at sixteen cents a pint box **more** than other varieties in the Chicago market.

Price, each, **20c**; 6 for **$1.00**; doz., **$1.75**; 100, **$10.00.**

VICTORY RASPBERRY
From photograph of a pint of berries; the berries are nearly one inch in diameter.

STRAWBERRIES—Pot Grown



SENATOR DUNLAP

VARIETIES marked (*) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as all are not so marked. Thus planted the (*) sorts are the most productive.

Price of the following, except where noted, per doz., 75c; 50 for $2.75; 100 for $5.00, by Express.

AUGUST LUTHER. (Early.) This is an extra early berry of value, medium size, bright in color, the shape tapering from an extreme fullness at the calyx. Will ripen ten days earlier than the Haverland, which it resembles in fruit and foliage. It can be successfully grown for marketing purposes or for family use, and it is a good shipper.

BRANDYWINE. (Late.) A berry that has truly earned the popularity it enjoys. Large, deep red fruit, and a fancy market product, thrives on almost any soil. Ripens with the medium late class. Flesh firm and red all the way through. Productiveness above the average, ships well and is one that can be depended upon to give general satisfaction to growers Has a delicious flavor, foliage dark green, roots deep, enabling it to endure more dry weather than most varieties.

CLYDE. (Early). The most productive variety yet introduced. Immense size. The berries are large, bright scarlet color with pink flesh of mild and pleasant flavor. A fine berry for home market.

DR. BURRELL. (Mid-Season.) The berries are large delicious and beautifully formed. The surface of the berry is a deep glossy red only a trifle lighter in color than the Senator Dunlap. The meat is solid and rich. Its long and heavy root system makes it a perfect drought resister. The foliage is large and of a beautiful dark green having a tough leaf tissue insuring its entire freedom from all leaf spots.

POT-GROWN STRAWBERRY PLANT

SENATOR DUNLAP (Mid Season). One of the best and most popular. It succeeds everywhere and with everybody, with the new beginner as well as with the veteran grower, but should not be allowed to matt too thickly. The fruit is dark red with a glossy finish shading to a deep scarlet on the underside. The meat is bright red all through and is exceedingly juicy. For a medium sized, productive, early to mid-season berry, you need to plant it.

SAMPLE.* (Late). Good bearer, with large roundish berries of firm flesh, bright red color. The Sample is not only one of the most beautiful late berries but one of the largest and most prolific.

EVERBEARING. Everbearing Strawberries are no longer an experiment. They are a success, becoming essential all over the country, and are making good every place where they have been tested. For best results the blossoms should be kept picked off until the middle of July. This will assure a good crop for fall. The variety we list is the best of all the Everbearing varieties, being a strong grower and heavy yielder.

PROGRESSIVE. You can have Strawberries just as easily in the Fall as in the Spring by planting the Progressive, which is the best of all the Fall or ever-bearing Strawberries. This is the strongest growing plant of all the Fall-bearing varieties we have tried. The plants are very large and heavily rooted, producing a phenominal crop of medium to large fruits of a dark red color, both inside and out, and of sweet mild flavor. Think of having all the berries you can use on your table during the months of September, October and November, and later, if not killed by freezing weather.

Price, per doz., 85c; 50 for $3.25; 100 for $6.00, by Express.

Hardy Climbing Vines

Especially Suited for Fall Planting

CLIMBING vines are as necessary to the comfort and beauty of a home, as the trees and shrubs planted around it. They are cheerful and cooling in climbing over bowers and summer houses, and wild and natural running over trees and stumps. They ramble over unsightly neglected places, and make them beautiful with fragrant brilliant flowers. The ones offered here are all perfectly hardy, and suitable for planting in the fall; require little attention afterwards, beyond training in the manner desired.

Akebia Quintata

A BEAUTIFUL, hardy climbing vine. It often grows 15 ft. in a year and produces in early summer large clusters of fragrant rosy purple flowers resembling Forget-me-nots. Large vines, 2-year-old, **50c each.**

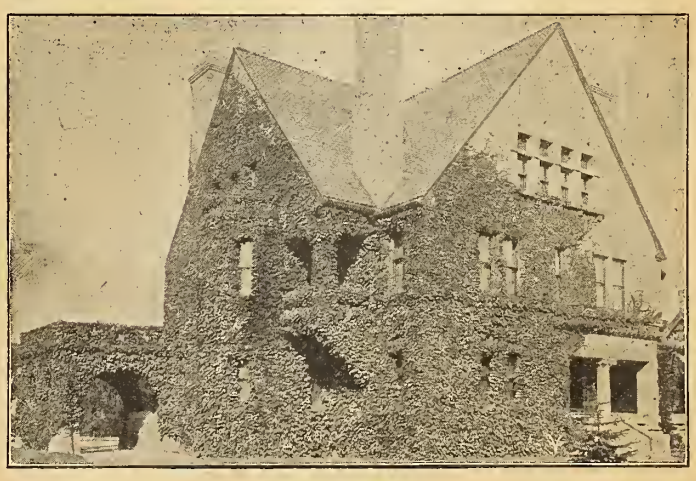
Ampelopsis—Woodbines and Ivies

HARDY ornamental vines, climbing by tendrils. They are well adapted for arbors and trellises, and thrive in almost any moist, fertile soil.

AMPELOPSIS ENGELMANNI

Engelmanni. (Engleman's Ivy). One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. The leaves color up beautifully in the fall. 2 year old, **35c**; 3 year, **50c.**

Quinquefolia. (Virginia Creeper or Woodbine). Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. Strong plants, 2 year, **each 35c**; 3 year, extra strong, **50c**; 4 year, **60c by express.**



AMPELOPSIS

Climbing Vines—Continued

CLEMATIS PANICULATA

Aristolochia Sipho

(Dutchman's Pipe)

VERY hardy, strong growing vine with large peculiar heart-shaped leaves. Curious pipe-shaped flowers of yellowish brown.

2-year, **75c.**

Bignonia

Radicans. (Trumpet Vine.) Dark red, orange throat, free blooming. Very hardy and rapid grower. Used for covering unsightly places, stumps, or wherever a showy flowering vine is desired.

2-year, **45c (by express).**

Celastrus

Scandens. (Climbing Bitter Sweet.) A native climbing or twining plant, with handsome large leaves; yellow, flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. 2-year (strong), **40c.**

Clematis Paniculata

(Japanese Clematis.)

THE finest small flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc., the flowers are pure white, deliciously fragrant, and produced with the greatest freedom. It flowers in September. when few other vines are in bloom. This is the easiest to grow and the most popular of all the small flowered vines.

2-year, each, **50c;** doz., **$5.00 (by express).**
3-year, **75c;** 3-year, pot-grown, **$1.00.**

The large-flowered Clematises, and hybrids of C. Coccinea (including many new charming colors), are best planted in Spring, and will be offered in our 1920 Spring Catalog.

Euonymus Radicans

AN evergreen shrub of a climbing or trailing habit. Valuable for covering fences or training against walls with Northern aspect. Also looks well on embankments or climbing over rock work.

2-year, each, **40c.**

Euonymus Vegetus

(Evergreen Bittersweet)

A valuable **Evergreen** vine, for walls or ground cover. It has large leaves and is perfectly hardy except in very exposed Northern situations, where it will need a little winter protection. This is the **hardiest Evergreen Vine** we have in Northern States.

2-year, each, **50c;** 3-year, **75c.**

Special Purpose Climbers

Climbers for Shady Places, Aristolochia Sipho, Wild Grape Vine, Apios Tuberosa, Hop Vine, Akebia Vine, Honeysuckles.

Climbers for Hot Sunny Situation, Bignonia Radicans, Clematis Paniculata, Honeysuckles.

Climbers for North Aspect, Clematis, all large flowering types such as C. Jackmanii, Henryi, etc.

Climbers for Eastern Aspect, Ampelopsis Engelmanni, Cinnamon Vine, Matrimony Vine.

N. B.—Some of these should not be planted in the Fall and have been omitted from this Catalog on that account. See 1920 Spring Catalog.

Lonicera - The Climbing Honeysuckle

HARDY vines with showy and usually very sweet scented flowers. They thrive in almost any kind of soil and are very valuable for covering walls and trellis work, and as a ground cover, where they should be allowed to ramble without support of any kind.

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. All are perfectly hardy and improve in beauty each year.

Aurea Reticulata. (Japan Golden Leaved.) Variegated yellow and green foliage, flowers creamy white.

Belgica. (Sweet Scented Monthly.) One of the most satisfactory Honeysuckles; produces continuously large trusses of red and yellow fragrant flowers.

Fuchsioides, (Scarlet Trumpet or Sempervirens.) Fuchsia-like scarlet flowers, very free and beautiful.

Heckrotti. (New Sweet Scented.) Remarkable for the large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season.

Japonica Halleana. (Hall's Japanese.) Almost an evergreen sort, flowers pure white, changing to yellow. July to November.

Price: Strong 2-year-old vines, **50c;** 3 for **$1.40;** doz., **$6.00 (by express).**

Heavy 3-year-old vines, **60c;** 3 for **$1.70;** doz., **$6.60 (by express).**

Matrimony Vine - Lycium Barbarum

WELL known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place. Strong 2-year-plants, each, **40c.**

Periploca - Silk Vine

Graeca. A rapid-growing beautiful climber; will twine around a tree or other support to the height of 30 or 40 feet. Foliage glossy and purple-brown auxiliary cluster of flowers.

2-year-old plants, each, **60c.**

Vitis - Grape

Riparia. (Wild Grape.) We have fine cultivated vines of these rapid-growing, hardy climbers, well suited to the covering of tree stumps, arbors, etc.

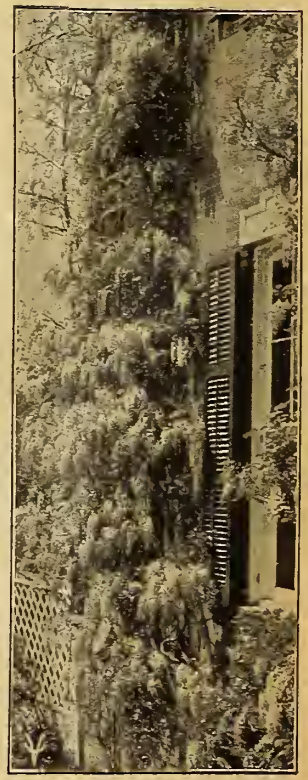
2-year-old plants, each, **50c.**
3-year, **60c (by express).**

Wistaria

STRONG growing vines that wrap themselves tightly about any support and are valued most for covering bowers, porches, pergolas and training over tree trunks. In May they bear abundant drooping clusters of flowers, similar in shape to those of a Sweet Pea, and occasionally a lighter crop follows in August.

Magnifica. Flowers in dense, drooping racemes of a pale lilac color; vigorous and perfectly hardy.

2-year-old, each, **50c.**
3-year, each, **60c.**
4-year, **75c (by express).**

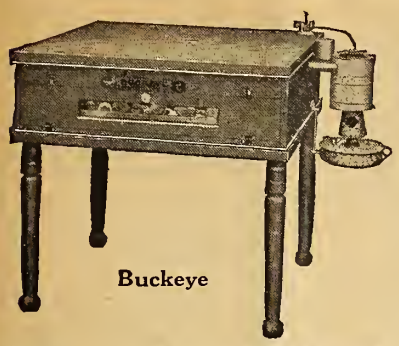


WISTARIA

Vaughan's Selection of Shrubs for Hedges

BUSH Honeysuckle, Hydrangea, Paniculata Grandiflora, Japan Barberry, Japan Quince, Lilacs, Privet Ibota, Rhamnus Catharticus, Ribes Alpinum, Rosa Rugosa, Spiraea Anthony Waterer, Spiraea Bumalda, Spiraea Van Houttei.

VAUGHAN'S POULTRY DEPARTMENT



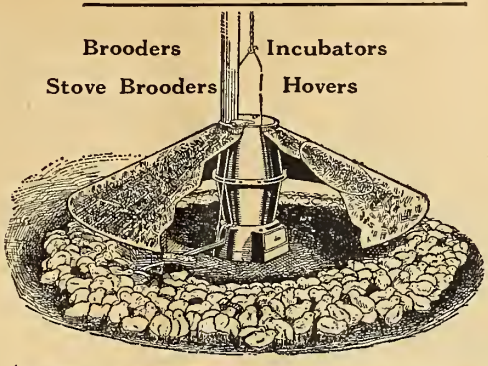
Buckeye

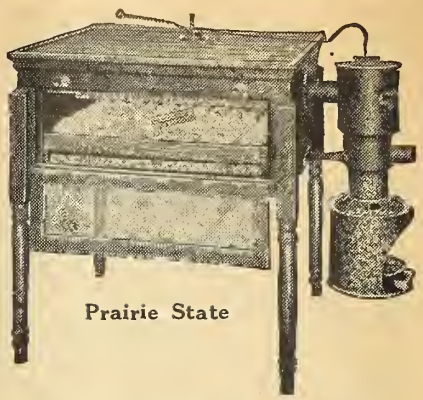
Monthly Price List on Feeds Free on Application

BUCKEYE AND PRAIRIE STATE

Brooders Incubators

Stove Brooders Hovers





Prairie State

VAUGHAN'S PIGEON FOOD

A scientifically prepared balanced ration food. Especially adapted to the growth of young pigeons and squabs. It makes the best general feed for all kinds of Fancy and Domestic Pigeons. Keeps the birds healthy and develops shape, style and plumage to a remarkable degree. As a foundation food it has no equal. Put up as follows;

Put up in 5 lb., 25 lb., 50 lb. and 100 lb bags. For prices ask for monthly order blank.

Ful-O-Pep Scratch Feed

contains no grit or shell. Every ounce is pure, sound grain. The mixture is scientifically prepared to make it the best balanced ration, especially when fed in conjunction with Ful-O-Pep Dry Mash. It contains such grains as Corn, Wheat, Buckwheat, Barley, Kaffir Corn, Sunflower Seed, etc; Price on Monthly Order Blank. Mailed free. Ask for it.

Ful-O-Pep Dry Mash—

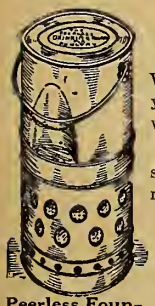
the feed that produces the egg—should be fed in open hoppers at all times. Ful-O-Pep Dry Mash is a finely ground food, consisting of the various grains, in the proper proportion, to produce eggs without forcing or fattening. Price on Monthly Order Blank. Mailed free. Ask for it.

Conkey's Feeds and Remedies

Conkey's Lice Powder. It is an effective disinfectant. Price, 15 oz., **30c**; 48 oz., **60c.**
Conkey's Poultry Tonic. A general invigorator. Price, **30c, 60c** and **$1.20.**
Conkey's Roup Cure. Price, pkg., **30c** and **60c.**
Conkey's Scaly Legs. Price, per can, **30c** and **60c.**
Poultry Worm Remedy. Price, can, **30c** and **60c.**

Pratt's Poultry Remedies

Pratt's Roup Cure. Package, **25c, 50c,** and **$1.00.**
Pratt's Roup Pills. Package, **25c** and **50c.**
Pratt's Scaly Leg Remedy. Package, **25c.**
Pratt's Bronchitis Remedy. Package, **25c.**
Pratt's Chicken Pox Remedy. Box, **25c** and **50c**
Pratt's Cholera Remedy, per box, **25c** and **50c.**
Pratt's Condition Tablets. Package, **25c.**
Pratt's Lice Killer, 1 lb can, **30c**; 2½ lbs, **60c.**



Peerless Fountain with Heater

PEERLESS HEATER AND FOUNTAIN

This may he used either with or without the heater attached. With its use there is always at hand a supply of pure water for your flock. Easy to clean. Fowls cannot injure their combs when drinking.

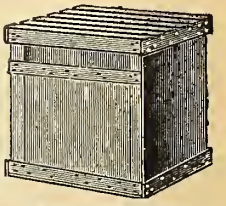
The Combination Peerless Heater and Fountain when in use should he hung to the wall either hy back strap or hail. which makes it absolutely safe.

Price, fountain only, 5-quart size..... **$1.00**
Price, heater for above..... **1.25**
Price, both for..... **2.00**
Price, fountain only, 10-quart size..... **1.35**
Price, heater for above..... **1.45**
Price, both for..... **2.60**

ALL-WOOD SHIPPING COOPS

Considered one of the hest on the market. A closed coop made of light lumher having a two-inch opening in front and hack under slated top so as to give fowls plenty of fresh air when shipping them. Birds shipped in this coop are in no danger of smothering free from heat of steam pipes, drafts on depot platforms, and arrive at destination without having their plumage harmed. Made in the following sizes:

No.	Length	Width	Height	Each	Per Doz.
1	12	18	18	$0.40	$4.00
2	18	18	18	.45	4.50
3	12	21	21	.45	4.50
4	18	21	21	.50	5.00
5	24	21	21	.60	6.75
6	30	21	21	.75	7.90



All Wood Shipping Coop

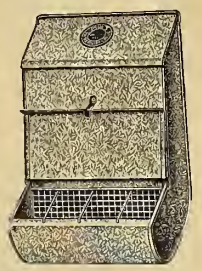
WRITE FOR COMPLETE POULTRY CATALOUGE

VAUGHAN'S FOUNTAIN

This fountain is made of heavy galvanized tin which will not rust and is so constructed that it can he placed on the floor or hung on the wall. The hottom is fastened by hinges on the hack of the fountain and closed up at the front hy a spring in the center. In front is an arch to keep dust and dirt from entering the water
Price, half-gallon size....**85c.** 1-gallon size....**$1.00.** 2-gallon size....**$1.35**

MOES' DRY MASH HOPPER

The curved hottom of the hopper keeps the feed within easy reach of the hirds.. The gradual enlargement from the top to hase prevents clogging. The wire grid and the wires running from the flange through the wire grid prevents any chance of the fowls throwing out or wasting the feed. The sloping cover prevents the hirds from roosting on the Hopper, and when hoth covers are closed, it is rat and mouse proof. A trial will convince you that it is a Hopper of the greatest merit. Manufactured of heavy galvanized iron in three sizes.



No. 35, 8½ in. wide. Each..... **$1.50**
No. 36, 12 in. wide. Each..... **2.00**
No. 37, 24 in. wide. Each..... **2.50**

STEVENS' "EVERGREEN" OAT SPROUTER

ALL METAL, LAMPLESS, INEXPENSIVE

The pans are all galvanized iron and perforated, with the exception of the hottom or drip pan which catches surplus water. Any pan is removahle for emptying or refilling without disturhing the others.

The stand is constructed in such a way that it may he put together or taken apart in two minutes, hy simply removing cross rods; this makes it very convenient for shipping or storage when not in use. It is made of hand iron with rods running under each pan riveted in, making it very rigid.

4 SIZES	Ship. Wt.	Price		Ship. Wt.	Price
8 Pan, 11x15 in., med. size	18 lbs	$4.25	**5 Pan** 11x15 in., small size	13 lbs.	$3.50
8 Pan, 11x33 in., large size	35 lbs	8.00	**5 Pan,** 11x33 in., med. large	25 lbs.	6.00

EXHIBITION COOPS

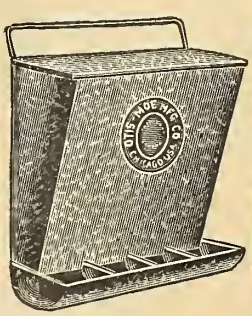
Birds do not show their good points in a poorly constructed coop. Manufactured of the hest grade of galvanized steel wire and sheet metal, electrically welded.
No. 56, all wire coop, 24x24x27 inches high..... **$2.00**
No. 47, with sheet metal sides, 24x27x27 inches high... **2.25**
No. 48, for hantams, pigeons, etc., 16x16x18 inches high **1.50**

CAGE CUPS FOR EXHIBITION COOPS

Galvanized cups use . for feed or water, provided with wire hooks to hang on sides. Each.....**18c.** Per doz....**$1.80**

GRIT AND SHELL BOXES

Grit, shell and charcoal have now become a recognized essential part of the diet insuring healthy fowls. They cannot he more economically supplied than in one of our inexpensive compartment hoxes. Can also he used as a feed hopper for little chicks. Made of heavy galvanized iron in three sizes.



No. 90—Four Compartment, Round Bottom.

No. 9—Three Compartment, Round-Bottom.

No. 9, shipping weight, 3 lbs, each..... **$1.10**
No. 90, shipping weight, 4 lbs, each..... **1.40**

Complete Poultry Catalogue on Incubators and Supplies Free on Application.

Plant the Best Vaughan's Grass and Farm Seeds For Fall Sowing

Harvesting Rosen Rye on our Michigan Farm.

NEW ROSEN RYE

We have been growing this new Michigan variety for several years and consider it a great advance over other sorts. From all parts of the country there are reports of yields 20 to 30 per cent heavier than the common variety. It is a four row, winter variety, introduced by the Michigan Agricultural Experiment Station. Our seed is our own growing in Michigan and certified.

Peck, **90c**; bushel, **$2.60**; 10 bu. lot, **$25.00.**

2 bu. grain bags, **65c** each, extra. If shipped from New York, add **20c** per bushel to these prices.

COMMON RYE

Our seed is a fine, clean, heavy yielding strain. Michigan grown. Peck, **80c**; bu., **$2.35**; 10 bu., lot, **$22.50.**

2 bu. grain bags, **65c** each, extra. If shipped from New York add **20c** per bushel to these prices.

RED ROCK WHEAT (New)

Certified seed, our own growing in Michigan. An extra hardy red bearded sort, recently introduced by the Michigan Agricultural Station. A heavy yielder and in Michigan has proven even less liable to winter kill than Turkey Red.

Peck, **$1.25**; bu., **$3.75**; 10 bu., **$35.00.**

2 bu. grain bags, **65c** each, extra. If shipped from New York add **20c** per bushel to these prices.

TURKEY RED WHEAT

Well bearded and very heavy. The bearded wheats are by far the hardiest of the winter sorts. The heads of the Turkey Red are of good size and the plants stool out well. Carefully recleaned. Prices by freight or express at purchasers expense. Peck, **$1.00**; bu., **$3.50**; 10 bu., **$32.50.**

Grain bags, **65c** each, extra. If to be shipped from New York add **20c** per bushel to these prices.

KLONDYKE WHEAT

A bald or smooth wheat, red chaffed, with fine amber grain. Has displaced the old standard Golden Chaff, where grown in comparison.

Peck, **$1.00**; bu., **$3.50**; 10 bu., **$32.50.**

2 bu. grain bags, **65c** each, extra. If to be shipped from New York add **20c** per bushel to these prices.

WINTER VETCH (Also Called Hairy or Sand Vetch)

Should be sown early in fall. The best winter cover crop, especially fine for orchards. Seed is the scarcest in history. As this catalogue goes to press we have a few hundred pounds only. Price in bushel (60 pounds) lots and over **40c** per pound. Grain bags, **65c** each, extra.

ALFALFA (V) BRAND

A short new crop in sight. Practically all good seed of the last crop is sold out. For fall seeding write us for latest price and samples. At the date this catalogue went to press we had a very limited supply of strictly American seed—as below. Prices subject to change.

	Per bu.	100 lbs.		Per bu.	100 lbs.
Montana Grown	$25 50	$42 00	Cossack	$45 50	$75 00
Western Kansas	21 90	36 00	Grimm	36 50	60 00

New grain bags, **65c** each, extra.

CLOVER (V) BRAND

Market very high and subject to rapid fluctuations at this time, Sept. 1st.

	10 lbs.	Bu.	100 lbs.
Medium Red Fancy	$6 00	$35 00	$57 50
Medium Red Choice	5 85	34 00	56 00
Mammoth Red Fancy	6 00	35 00	57 50
Mammoth Red Choice	5 85	34 00	56 00
Alsike Fancy	5 25	30 50	50 00
Crimson Clover	2 25	12 50	20 00
Bokhara or Sweet Clover	3 00	17 25	28 00

Write for samples. New 2 bu. grain bags, **65c** each, extra.

TIMOTHY (V) BRAND

Market strong. Prices subject to fluctuations. Our "V" brand 99½ per cent pure and 85 per cent germination. (Bushel of 45 lbs.) Two bushel grain bags, **65c** each, extra. 10 lbs., **$1.75**; bu., **$7.15**; 100 lbs., **$15.00.**

SEEDS FOR THE LAWN

VAUGHAN'S CHICAGO PARK LAWN SEED

It produces a beautiful and enduring turf without the aid of cheap "Quick growing" grasses which are only of temporary value. After many years trials we have a balanced mixture of American and such European grasses as do best in our climate. We select only the finest samples as regards purity and germination. For a third of a century the standard grass seed mixture in America.

Price ½ lb., **20c**; 1 lb., **35c**; 3 lbs., **$1.00**; 5 lbs., **$1.60**; 10 lbs., **$3.15**; 15 lbs., **$4.70**; 20 lbs., **$6.20**; 25 lbs., **$7.70**; 50 lbs., **$15.25**; 100 lbs., **$30.00.**

VAUGHAN'S "CENTRAL PARK" MIXTURE

A mixture similar to the Chicago Parks and adapted to eastern Atlantic conditions. Prices same as Chicago Parks.

VAUGHAN'S QUICK SOD

A new mixture put up for fall sowing and first planting on new soil. Quick growing, hardy grasses. Produces a good sod that will winter without killing out. Price, lb., **35c**; 5 lbs., **$1.60**; 10 lbs., **$3.15**; 50 lbs., **$15.25**; 100 lbs., **$30.00.**

KENTUCKY BLUE GRASS—We offer in two grades.

Extra Fancy Seed—Sun dried, twice recleaned, very high germination 1lb., **40c**; 5 lbs., **$1.85**; 10 lbs., **$3.50**; 100 lbs., **$32.50.**

Fancy Seed—Actual weight, 21 lbs. per bushel. 1 lb., **35c**; 5 lbs., **$1.60**; 10 lbs., **$3.00**; 100 lbs., **$28.00.**

RED TOP GRASS—Fancy—Solid seed, 92 per cent pure. 1 lb., **25c**; 10 lbs., **$2.25**; 100 lbs., **$18.50.**

Red Top, Common or Unhulled. 1 lb., **15c**; 10 lbs., **$1.30**; 100 lbs., **$10.00.**

WHITE CLOVER—Extra fancy seed. 1 lb., **80c**; 3 lbs., **$2.30**; 10 lbs., **$7.50.**

QUANTITY TO USE IN SOWING A NEW LAWN

1 lb., 300 sq. ft.,; 10 lbs., 3500 sq. ft.; 15 lbs., 4250 sq. ft.; 25 lbs., ¼ acre; 50 lbs., ½ acre; 100 lbs., 1 acre.

VAUGHAN'S "COLUMBIAN"

For shady lanes and sandy soil. This is a selection of the finest grasses which naturally thrive under the shade of trees or buildings or do well in light sandy soils. Has been very succesful in the sandy regions of southern Michigan and northern Illinois. Price lb., **35c**; 5 lbs., **$1.60**; 10 lbs., **$3.15**; 15 lbs **$4.70**; 20 lbs., **$6.20**; 25 lbs., **$7.70**; 50 lbs., **$15.25**; 100 lbs., **$30.00.**

PULVERIZED SHEEP AND SHREDDED CATTLE MANURE for fall application. See inside back cover.

GRASS SEED FOR GOLF CLUBS—Write us for prices on Special Golf Grasses and Mixtures.

Prices on Grasses, Clovers and other Farm Seeds subject to changes as market fluctuates.

For Fall Planting Vegetables Seeds and Roots For Greenhouse Frame or Garden

ASPARAGUS—BONVALLET'S GIANT, 4 Years from Planting

VEGETABLE ROOTS

French Endive Witloof Chicory

The roots are planted in earth in the cellar and hilled up for bleaching like celery or white asparagus. A delicious winter salad. Price, doz., **40c**; 25 for **75c**; 100, **$2.75**; 500 for **$12.00** (by express). (Full directions with each order.)

Sea Kale Roots

A delicious vegetable combining the flavor of celery and asparagus, bleaches and forces easily, in an ordinary cellar. Price, doz., **65c**; 25 for **$1.10**; 100, **$4.00**; by express.

Rhubarb Roots

Extra strong clumps for forcing

Price, each, **50c**; doz., **$5.00**; mammoth size, each, **75c**; doz., **$8.00**. (express.)

Asparagus Roots

	1-Year Old			2-Year Old			3-Year Old		
	Doz.	100	1000	Doz.	100	1000	Doz.	100	1000
Bonvallet's Giant.	$0.20	$1.30	$9.00	$0.25	$1.60	$12.00	$0.30	$1.75	$15.00
Barr's Mammoth..	....	....	....	.20	1.30	9.00	.30	1.75	15.00
Argenteuil (Giant)	....	....	....	.20	1.30	9.00	.30	1.85	16.00
Conover's Colossal.	.15	1.15	7.50	.20	1.25	8.50	.30	1.75	15.00
Columbian Mam'th	....	....	....	.20	1.25	8.50	.30	1.75	15.00
Palmetto	.15	1.15	7.50	.20	1.25	8.50	.30	1.75	15.00
If by mail add postage as follows:	Doz., 5c; 100, 35c			Doz., 8c; 100, 50c			Roots and transplants, By express only.		

Extra heavy 3 year old transplants for forcing and immediate results. Any of the above varieties, doz., **40c**; 100, **$2.50**; 1000, **$20.00**.

Winter Onion Sets

These are used for producing green onions for early spring use. No large bulb is formed, the sets being produced on the top of the stalk. Very productive, perennial and perfectly hardy. Planted in the fall to depth of 3 to 4 inches. **Pt.**, (½ lb.) **15c**; **qt.**, (1 lb.) **25c**; **pk.**, (7 lbs.) **75c**; **½ bu.**, (14 lbs.) **1.25**; **bu.**, (28 lbs.) **$2.00**.

WHITE WELSH ONION. For green onions. Hardy with slight protection. **Pkt. 10c**; **½ oz.**, **20c**; **oz.**, **30c**; **¼ lb.**, **90c**; **lb.**, **$3.00**.

Beans **Triumph of the Frames.** For forcing or growing under glass. Very small slim pods making the famous French (Haricot) style of bean.
Pkt., **15c**; **½ pt.** (8 oz.), **25c**; pt. (1 lb.), **50c**; qt. (2 lbs.), **90c**.

Cabbage **Copenhagen Market.** A new Danish, early, hard-heading, uniform ripening variety. Pkt., **15c**; **½ oz.**, **60c**; oz., **$1.00**; ¼ lb., **$3.00**.
Early Jersey Wakefield. Vaughan's selected stock.
Pkt. **10c**; **½ oz.**, **40c**; oz., **75c**; ¼ lb., **$2.00**.
Large Jersey or Charleston Wakefield.
Pkt, **15c**; **½ oz.**, **40c**; oz., **75c**; ¼ lb., **$2.00**.
All Head or Faultless. Pkt., **15c**; **½ oz.**, **40c**; oz., **75c**; ¼ lb., **$2.00**.

Cauliflower **Vaughan's Earliest of All.** A forcing strain, sure header earliest. Pkt., **25c**.
Vaughan's New Snowball. The best for early and late summer and fall crops. A wonderful strain of the popular Snowball variety.
Pkt., **25c**; **¼ oz.**, **85c**; **½ oz.**, **$1.60**; oz., **$3.00**.

Cucumber—English Frame Varieties

Rollison's Telegraph. Greenhouse, English grown. **Pkt., 50c.**
Vaughan's Prolific Forcing. Pkt., **25c.**
Prescott's Wonder. Pkt., **25c.**

GREENHOUSE AND FRAME VARIETIES

Davis' Perfect. (Vaughan's Select Stock.) Selected for length and tapering ends. Extra fine color. Pkt., **10c**; oz., **15c**; ¼ lb., **50c**; 1 lb., **$1.50**. Stock seed selected for forcing. **Pkt., 15c**; 2 pkts., **25c**; **½ oz.**, **60c**; oz., **$1.00**.

Cucumber "THE VAUGHAN"
The best American Greenhouse Cucumber

The Vaughan. The best market greenhouse cucumber to date. A new selection from the best selling greenhouse stock on the Chicago Market. Pkt., **25c**; oz., **$1.25**.

Spinach

Extra Large Round Leaf, Monstrous Leaved **Viroflay, and Vaughan's Norfolk Savoy.** Oz., **10c**; ¼ lb., **35c**; 1 lb., **85c**.

Tomatoes

For Under Glass. Best Re-selected Stocks.

Lister's Prolific (New.) Latest popular English sort. **Pkt., 25c.**
Comet (Scarlet.) **Sterling Castle** (Scarlet), **Sunrise** (Scarlet), **Hubert's Marvel** (round like an apple), **Frogmore Selected** (Scarlet), **Pkt., 15c each. Best of All** and **Lorillard** (Two old standards), **Pkt., 5c. New Globe, Chalk's Early Jewel** and **Bonny Best,** American forcing varieties. **Pkt., 10c.**

Mushroom Spawn

(LAMBERT'S SPORE CULTURE)

Thousands of people are sucessfully raising delicious mushrooms in their basements, cellars and outbuildings. Write for free leaflet on culture. This vegetable is produced by planting Spawn. Our Spawn is always fresh; monthly shipments are received from our manufacturers.

The following strains produce fairly true to type:

No. 7. Brown. (Bohemia.) Very hardy and a good producer.
No. 8. Cream Columbia. Mammoth Strain. Hardy and prolific.
No. 9. White Alaska. Mammoth Strain. A most popular sort with growers for the market.

Price—New Spore Culture. The latest process of manufacture. A much hardier and more prolific spawn than any yet produced. Price Lambert's spore culture brick, (weight 1¼ lb.) **35c**; 2 for **65c**; 5 bricks, **$1.50**; 10 bricks, **$2.75**; 100 bricks, **$20.00**. Not prepaid.

Direct Bricks. Standard process—brick weight (1¼ lb.) **30c**; 5 bricks, **$1.40**; 10 bricks, **$2.50**; 100 bricks, **$18.00**. Not prepaid. Special prices in case lots.

ENGLISH SPAWN. A very superior strain to the old English Milltrack Spawn. We are one of the largest handlers in the United States; fresh importations every few weeks (weight per brick 1¼ lb.). **Price**, brick, **25c**; 2 bricks, **40c**; 8 bricks, **$1.40**; 25 lbs., **$3.25**; 100 lbs., **$12.00**; if shipped from New York, **$7.00**. Special prices on half ton lots and up.

Lettuce

GRAND RAPIDS FORCING **Vaughan's Selected Stock For Greenhouse Use.** This grand forcing variety is the hardiest of all sorts for greenhouse use and is planted now to the exclusion of almost all other sorts for the purpose. Our strain cannot be surpassed in quality. Bred from single plant selections.
Vaughan's Extra Selected Stock. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., $1.50.
Standard Stock. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 30c; 1 lb., $1.00.

BLACK-SEEDED SIMPSON. Forms large, loose leaves of ideal color. A good variety for use under glass and best for early outdoor planting. **Vaughan's Select Stock. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., $1.50.**

MAY KING. An excellent head lettuce. **Pkt., 5c; oz., 20c; ¼ lb., 40c; 1 lb., $1.25.**

VAUGHAN'S BIG BOSTON **Re-Selected Stock—Most Popular Strain for Southern Planting.** This is the early lettuce so much planted in the south. Vaughan's Big Boston is standard throughout Florida.
Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., $1.50.

MUSHROOMS GROWING IN A BASEMENT.

Forcing Melons—For Greenhouse

Emerald Gem Forcing.
A1 Superb. Scarlet flesh.
Best of All. Green flesh.
Blenheim Orange. Scarlet flesh.
Diamond Jubilee. Green flesh.
Invincible Scarlet. Scarlet flesh.
Royal Sovereign. White flesh.
Turner's Hybrid. (Best American).
Ringleader.

Prices of above, each, Pkt., 25c.

Radish

Vaughan's Cardinal Forcing. New. Best forcing radish today. Few days earlier than Scarlet Globe, runs more even in shape, a richer dark red; small tops; flesh firm and crisp; very few cracked bulbs.
Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., $2.00.

Improved Early Scarlet Globe. Vaughan's Selected Stock. The standard red radish for hot bed and forcing use. An unequalled strain of this most popular sort.
Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., $1.75.

Standard Stock American Grown.
Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25.

Giant Butter Radish. An improvement on the Crimson Giant. The largest of the early forcing radishes.
Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $2.00.

Crimson Giant. A standard, very large and early forcing radish, a fine strain.
Pkt., 10c; oz., 20c; ¼ lb.; 50c; 1 lb., $1.75.

Vaughan's Early Carmine Turnip. The earliest, all scarlet, turnip-shaped radish. Earlier than Scarlet Globe.
Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., $1.75.

CARDINAL FORCING

Prices on Grasses, Clovers and Other Farm Seeds Subject to Change as Market Fluctuates.

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For Bulbs, Seeds and Sundries

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Vaughan's Seed Store

43 Barclay St., NEW YORK. 31-33 W. Randolph St., CHICAGO

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(Very Plain)

Please do not write here.

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County.....State.....

Street No.....Forward by.....
(Mail, Express or Freight)

Express Office.....Name of Ex. Co.....

AMOUNT ENCLOSED. Cash, - - $..... Money Order, $.....

☞State how much money you enclose. Postage Stamps, - $.....Draft or Check, $.....

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For Parcel Post Rates, see other side

(OVER)

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Quantity	PLANTS, TREES AND SHRUBS—Continued	Mailing Weight	Dollars	Cents

*From*_____

*P. O*_____ *State*_____

Vaughan's Seed Store

New York

43 Barclay Street

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.		First pound or fraction	Each additional pound or fraction
First Zone	Chicago or New York or 50 miles thereof..	5c	1c
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Third Zone	within 150 to 300 miles.....	6c	2c
Fourth Zone	within 300 to 600 miles.....	7c	4c
Fifth Zone	within 600 to 1000 miles.....	8c	6c
Sixth Zone	within 1000 to 1400 miles.....	9c	8c
Seventh Zone	within 1400 to 1800 miles.....	11c	10c
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Total Weight _____ lbs.

Amount for Postage $

Grand Total $

☞ In making your order, please give the price, to avoid delay and errors. ☜

VAUGHAN'S GARDEN TOOLS AND REQUISITES

PRICES GIVEN BELOW DO NOT INCLUDE PREPAYING OF CHARGES EXCEPT WHERE NOTED

FUMIGATORS, Eureka, galvanized. Used for burning tobacco stems in order to fumigate greenhouses. No. 1, capacity ½ pk., **$2.50;** No. 2, capacity 1 pk., **$3.35;** No. 3, capacity ½ bu., **$4.00;** No. 4, capacity ¾ bu., **$5.25.**

FERTILIZERS

BONE MEAL, Vaughan's "Rose Grower" Brand. Has been slightly steamed so that it can be ground fine, and is thus quicker in its action. **5 lbs., 40c; 10 lbs., 70c; 25 lbs., $1.55; 50 lbs., $2.55; 100 lbs., $4.25.**

(In New York, 65c higher per 100 lbs.)

BONE MEAL, "Regular Grade." 5 lbs., 30c; 10 lbs., 55c; 25 lbs., $1.40; 50 lbs., $2.30; 100 lbs., $3.75. (In New York 65c higher per 100 lbs.)

CATTLE MANURE (Shredded). A natural fertilizer for all general purposes. If applied to the lawn in the fall it protects grass roots through the winter. As easy and clean to handle as grain. **Price: 100 lbs., $2.35; 500 lbs., $9.50; 1,000 lbs., $15.00; 2,000 lbs., $29.50.** (Prepaid to nearest railroad station if within twenty miles of Chicago.) In New York, 65c higher per 100 lbs.

NITRATE OF SODA or Chilli Saltpeter. Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is **to grow maximum crops** you must furnish the plant with Nitrogen.

Price (subject to market changes), 5 lbs., 60c; 10 lbs., $1.00; 25 lbs., $2.50; 100 lbs., $7.00; Write for prices on larger quantities.

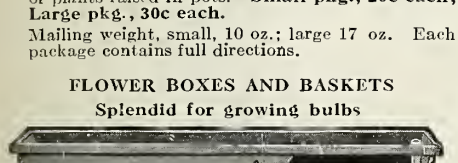
SHEEP MANURE (Pulverized) Excellent for mixing with soil for greenhouse plants, one part manure and six parts soil. **5 lbs.. 30c; 10 lbs., 55c; 25 lbs., $1.20; 50 lbs., $1.80; 100 lbs., $2.85; 500 lbs., $12.00; 1000 lbs., $19.50; ton, $38.50.** (25 lbs. and up prepaid to nearest railroad station if within twenty miles of Chicago.) F. O. B. New York, **100 lbs., $3.40; 500 lbs., $15.00.**

VAUGHAN'S CONCENTRATED PLANT FOOD This is the most useful fertilizer for all kinds of plants raised in pots. **Small pkg., 20c each; Large pkg., 30c each.**

Mailing weight, small, 10 oz.; large 17 oz. Each package contains full directions.

FLOWER BOXES AND BASKETS

Splendid for growing bulbs



"Illinois" Self-Watering

Box has reservoir in bottom, which when filled with water will supply plants with moisture for ten days.

Water being conveyed direct to the roots of plants leaves soil in a loose condition, ideal for plant growth. Sold in following Shapes and Sizes.

WINDOW BOXES

8-in. deep, 9½-in. wide., except **No. 0,** 6-in. x 6-in.

No.	Length	Price	No.	Length	Price
1	23 in.	2.25	6	33 in.	$2.90
2	25 in.	2.35	7	35 in.	3.00
3	27 in.	2.45	8	37 in.	3.15
4	29 in.	2.60	9	39 in.	3.35
5	31 in.	2.75	10	41 in.	3.50

PORCH BOXES

9-in. deep, 12-in. wide.			8-in. deep, 12-in. wide.		
No.	Length	Price	No.	Length	Price
23	45 in.	4.75	25	53 in.	$5.35
24	49 in.	5.00			

HANGING BASKETS

No.	Depth	Square	Price	No.	Depth	Square	Price
8	6 in.	8 in.	$1.35	12	8 in.	12 in.	$1.90
10	7 in.	10 in.	1.65	14	9 in.	14 in.	2.25

GLASS CUTTER, DIAMOND. Each, $5.00.

GLASS CUTTER, RED DEVIL. Each, 25c.

GLAZING POINTS, Vaughan's Perfection. No rights or lefts. **No. 2,** small, single thick glass; **No. 2½,** double thick, for greenhouse and skylights. **Price, per lb.** (approximately 900), **70c,** postage extra.

Siebert's Improved, ⅝ and ⅞, **price per lb., 70c.**

HOTBED SASH. Unglazed, for 3 rows, 10-inch glass. **Each, $2.35; 3 for $6.90; doz., $27.00.**

Glazed, **each, $6.15; 3 for $18.00; doz., $71.00.**

For 8-inch glass, 4 rows **each, $2.50; 3 for $7.20; doz., $27.75.**

Glazed, **each, $6.45; 3 for $19.20; doz., $75.50.**

HOTBED MATS.

Burlap. Lined waste wool and cotton quilted. Made of finest material.

Size A—40 in. x 76 in., **each, $3.50; doz., $38.00.**

Size B—76 in. x 76 in., **each, $5.60.**

INSECTICIDES AND FUNGICIDES

Weights—By mail, ½ **pt.** 1 lb.; **pt.** 2 lbs.; **qt.,** 3 lbs.

APHINE. A new insecticide discovery that kills plant lice of every species. Effective indoors and outdoors. **Per ½ pint, 40c; per pint, 65c; per quart, $1.00; gallon, $2.50.**

BLACK LEAF 40. Highly recommended as a spray for soft-bodied sucking insects. Follow directions carefully. **1 oz., 25c;** ½ **lb., $1.00; 2 lbs., $3.25.** (1 oz. makes from 5 to 10 gals. of spray).

WHALE OIL SOAP. An excellent wash for trees and plants where insects and eggs affect the bark; also used for smearing upon trees to prevent worms crawling up. **Per lb., 30c; 5 lbs., $1.25.**

FLOWERS OF SULPHUR. For mildew on roses, etc. **Lb., 12c; 10 lbs., 85c; 25 lbs., $2.00.**

LEMON OIL. Destroys mealy bug, scale, thrip, red spider, etc. ½ **pint, 35c; pint, 60c; quart, $1.00;** ½ **gal., $1.60; gal., $2.50.**

LIME-SULPHUR. The best remedy for San Jose scale. One gallon makes ten; one of the best Autumn sprays. **Qt. can, 40c; 1 gal., $1.00; 5 gal. can, $4.00.**

NICO-FUME. Strips of paper strongly saturated with Nicotine. These when suspended and lighted make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 feet by 20 feet wide.

Price, 24 sheets, $1.25; 144 sheets, $5.00; 288 sheets, $9.50.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent Nicotine. ¼ **lb., 65c; 1 lb., $2.00; 4 lbs., $7.50; 8 lbs., $14.50.**

NICOTICIDE. Fumigating or spraying compound for killing insects on plants in greenhouses and frames. **4 oz., 70c;** ½ **pt., $1.25; pint, $2.50; quart, $4.50;** ½ **gal., $8.25; gal., $15.00.**

Fumigator for above, **85c.**

NIKOTEEN. Use same as Nicoticide. **1oz., 30c; 2 oz., 45c;** ½ **pint, 90c; pint, $1.60.**

SULPHO TOBACCO SOAP. For greenfly on roses. **8 oz. box, 20c; by mail, 25c; 3 ozs., 10c; by mail, 12c.**

TOBACCO STEMS. For fumigating. **5 lbs., 25c; 100 lbs., $2.25.**

TOBACCO DUST. One of the best remedies for green and black aphis, fleas, beetles, etc., also for insects in the ground. **Lb., 10c; 5 lbs., 30c; 10 lbs., 55c; 100 lbs., $4.00.**

KNIVES. Propagating. Ivory handle. **Each, $1.75; by mail, $1.80.**

Propagating. "The Vaughan," best of all. **Each, $1.00; by mail, $1.05.**

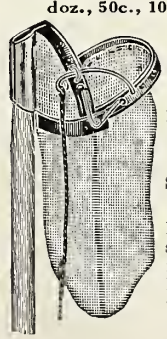
Budding and Propagating. Two blades, white handle. **Each, $1.25; by mail, $1.30.**

Pruning. Stag handle, English. **Each, $1.75; by mail, $1.80.**

Imported Pruning. $1.35; by mail, $1.40.

LABELS, Wooden, for Pots.	Per 100	1000
4 in., painted	$0.20	$1.25
5 in., painted	.30	1.65
Tree (wired) 3½ in.	.35	2.00

Cypress.—For use outside, will last for years, 16x1¼ in. **Doz., 40c; 100 for $2.75;** 18x2 in. **doz., 50c., 100, $3.50.**



MASTER FRUIT PICKER

No Broken Limbs

(on trees or men)

Mechanical Apple and Fruit Picker

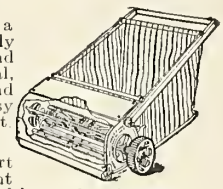
From Picking Fruit

So simple children can pick fruit with no danger

For 18 months this picker has been successfully used in Northern Illinois. Now being offered to the Fruit Growers of United States, Canada and England.

Price $2.50. Parcel Post Paid

LAWN SWEEPER



The Gem. Will clean a lawn more thoroughly than four men with hand rakes. Made of metal, wood and canvas, and lighter and less noisy than all metal. 24 in. cut **Each, $22.00.**

LEAF CART. A hand cart frame with a very light wood rack. Complete with truck. **$18.50.**

LEAF MOLD. Peck 40c; Sack Bushel $1.25.

PEAT. For potting Orchids, etc. . . . **Per bbl., $3.00**
Peat. For potting Azaleas. . . . . **Per bbl., 3.00**

TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green, paint of best oils.

Prices F. O. B. Chicago or New York.

No.		Each	Four	No.		Each	Four
1	6x 6	$0.55	$2.10	9	14x13	$1.50	$5.80
3	8x 8	.60	2.30	11	16x15	1.90	7.35
5	10x 9	.75	2.80	13	18x17	2.50	10.20
7	12x11	1.15	4.40	14	19x18	3.10	12.00

If handles are required add 15c per tub.

The first numeral is diam. at top; the second is depth.

PUTTY (Twemlow's Old English). Semi-liquid. To be used in same manner as Mastica. **Price, per gal., $3.25.**

PUTTY BULB (Scollay's). A useful tool with a tube for applying liquid putty in glazing greenhouses. **Each, $1.35.** Mailing weight, 1 lb.

POTS, PANS AND SAUCERS

RED CLAY POTS.—We pack these carefully, but will not be responsible for breakages.

	Doz.	100	1000		Doz.	100
2 in.	$0.20	$0.90	$ 7.50	6 in.	$0.85	$6.00
2½ in.	.22	1.15	9.75	7 in.	1.50	10.00
3 in.	.30	1.50	13.00	8 in.	1.80	13.50
4 in.	.45	2.65	.....	10 in., each,		45c.
5 in.	.65	4.25	.....	12 in., each,		60c.

BULB OR FERN PANS (RED)

	Each	Doz.		Each	Doz.
6 in.	$0.11	$0.85	8 in.	$0.20	$3.00
7 in.	.15	1.50	10 in.	.45	4.00

SAUCERS.—Fibre, waterproof and unbreakable.

	Each	Doz.		Each	Doz.
5 in.	$0.35	$4.00	9 in.	$0.48	$5.40
6 in.	.37	4.15	10 in.	.56	6.40
7 in.	.40	4.40	12 in.	.75	8.45
8 in.	.42	4.70			

POTTING SOIL. This mixture is prepared by us. Suitable for all ordinary plants and bulbs; by express or freight at buyer's expense, ready for use. **Pk., 40c; bu., $1.25; bbl., $3.00.**

RAKES. Steel Bow Garden. Best, does not break in center; 12 teeth; **$1.00;** 14 teeth, **$1.10;** 16 teeth, **$1.20.**

Garden. 12 teeth, **70c;** 14 teeth, **80c;** 16 teeth, **90c.**

LAWN RAKES

Automatic Self-Cleaning, A backward motion of the operator clears all the teeth at once. **Each, $1.00.**

Lawn Queen. Wire teeth, reversible head, 24 teeth; **each, 80c.** 36 teeth, **each, $1.15.**

SAWS. Vaughan's "Perfection" Pruning. Adjustable blade, so branches can be easily removed close to the trunk of the tree. **Each, $2.00;** extra blades, **25c.**

SHEARS (Pruning)—Domestic, 9 in. **each, $1.00. California style,** 9 in. **each, $1.65. Bright cast steel** with coil spring, **each, $1.50.**

SPRINKLERS. The Lenox. A splendid sprayer for in or outdoor plants, rose bushes, etc. **Each, 50c; by mail, 55c; extra bulbs, 15c each.**

Scollay's Rubber. Indispensable for floral work. **Large, $1.50; by mail, $1.55; Medium, $1.25; by mail, $1.30. Small, $1.00; by mail, $1.05.**

WATERING POTS. — American. (Fig. 52.) Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, **$3.25;** 6 quart, **$3.35;** 8 quart, **$3.75;** 10 quart, **$4.20;** 12 quart, **$4.60.**

French Style. Oval, otherwise same make as above; 6 quart, **$3.85;** 8 quart, **$4.20;** 10 quart, **$4.60;** 12 quart, **$5.10.**

FOUR SPLENDID PEONIES

	Small Roots	Medium Roots	Large Roots
FELIX CROUSSE			
Each	.75	1.20	1.75
FESTIVA MAXIMA			
Each	.60	1.00	1.50
KOHINOOR			
Each	.60	1.00	1.50
ALEXANDER DUMAS			
Each	.75	1.20	1.75

The above prices do not include postage. If wanted by mail add 5c each to the price of the small roots and 10c each to that of the medium size. Large roots should be sent by express. September is the best time for the planting of Peonies.

PEONIES

VAUGHAN'S